GREATER PARTNER SUPPORT

MIGHTY SEVEN®

NEW PRODUCTS

Air Impact Wrench
NC-4610 —— P.7

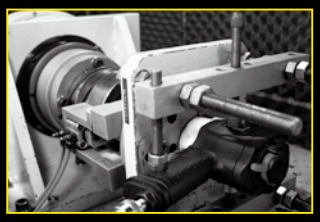
Air Impact Wrench
NC-4210 —— P.8

Air Impact Wrench
NC-4230 —— P.10

Air Impact Wrench
NC-6210 —— P.11

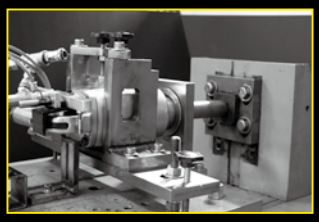
Warning:

- All the pneumatic tools should only be used as hand operated tools. They are powered by compressed air and are not insulated against electric shock.
- Always turn off the air supply and disconnect the air hose before changing or replacing any inserted tool and accessory.
- Before using these tools, make sure that all couplings and plugs are securely fastened. Air hoses which are under pressure may lash out when disconnecting, that can lead to serious injury!
- High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
- Wearing eye/face protection can reduce the danger of high-speed materials being emitted from the tool. Make sure that the direction of the spark generated from the cutting wheel grinding wheel or shank stone is properly directed so as to not create a hazard..
- Always wear gloves to reduce risk
- User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
- Long periods of prolong use will cause fatigue. Periodic breaks are recommended for user safety.
- It is recommended to stop operating the tool whenever discomfort, tingling or pain occurs during use.
- Make sure there is no gas or combustible material stored near the tool when servicing, changing insert tools, or storage.
- Wearing proper breathing protection to avoid inhale dust or handling debris from working process, which can be harmful to the health.


Fatigue lifetime tester for air impact wrench

Torque tester for air impact wrench

Fatigue lifetime tester for air screwdriver


Fracture tester for air impact wrench

M7's Success Is A Team Effort!

Mighty Seven, or M7 as it is affectionately called by thousands of users world-wide, is much more than just a good manufacturer of air tools. In fact, M7 provides a total brand solution for its air tool partners and consumers. M7's team is composed of a strong network of International air tool experts and an enthusiastic team of engineers, designers, marketeers and administration personnel.

Greater Partner Support

To its world-wide distributors, M7 is the ideal alternative air tool brand. M7 guarantees a durable and strong product at very affordable prices. M7 delivers its promise through time-saving logistic planning, strong after market support and on-location dealer training. M7 strengthens its manufacturing excellence proposition with a committed marketing and sales team that supports its partners in all aspects of their business. Client support through strengthening Distributor/Dealer partnerships with more centralized brand and marketing offerings, as well as technical training is the basis for M7's growth.

The Beginning of A Great Adventure

Mighty-Seven is a manufacturer with more than 20 years of experience in supplying the market with quality tools that last longer. But 20 years signals only the beginning. Mighty-Seven has reorganized its brand activities to strengthen its position in the international pneumatic tool market.

M7's focus is squarely set on after market services, new product development and full support to market for its partners in the field of pneumatic tools. Consistent with its vision for "greater partner support", Mighty Seven is able to offer comprehensive branding and manufacturing services to its International partners through its global distribution centers in France, Germany, Mexico, China, USA and Taiwan. M7 offers comprehensive technical support and total branding service solutions to its world-wide distributors who subsequently are able to provide the consumer with a true M7 Experience.

Technical Support

M7 offers complete face to face, on-line and media-supported training programs for its clients' service technicians. M7 specialists and consultants provide regular sales training courses to demonstrate the products' applications, features, and benefits to the customer. M7 also provides repair and maintenance training to strengthen its clients' after-sales service.

As part of its exclusive partner support package, Mighty Seven supplies a complete set of maintenance manuals and training videos to its authorized service partners. Furthermore, to meet the immediate requirements of its clients, M7 offers e-learning through its website to give its marketing partners access to 24 hour on-line service and support.

M7 training program

M7 PNEUMATIC TOOLS

A Strong Brand Starts With A Strong Product Proposition

M7 designs, develops, manufactures and distributes tools to maximize productivity and improve operator comfort. To meet the challenges and marketing demands worldwide, M7's R&D department is committed to market-orientated product development to provide consumers with more ergonomic, comfortable, lightweight, and efficient tools and equipment.
The Mighty Seven name is synonymous with product durability and customer support. M7 tools are reliable, efficient and tough enough to make difficult jobs easier. M7 has grown through product innovation, always insisting on product quality and durability. All of its products are ISO and CE approved to support its customers with a tool that is cost-effective, durable and efficient.

Quality Assurance

To meet international quality standards, M7 has invested time, money and efforts into developing a complete quality control process, ensuring that each and every product bearing the M7 brand, exceeds our clients expectations in every way.
Testing equipments used in M7 includes: computerized fatigue testing machines, digital torque testing machines, multi-functional testing machines, grinding efficiency testers, run-out testers, digital measuring projectors, environmental testing chamber, grinding and polishing machines, infrared tachometers, vibrations testers and decibel level detectors.

The M7 Product Range

As of today, Mighty-seven offers a wide Pneumatic product spectrum. And how does Mighty Seven know which tools you need ? M7 listens to you.

AIR IMPACT WRENCH	6
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Air Impact Wrench

NC-3111 ★★★

3/8" Drive Air Impact Wrench Pin Clutch Type

Air Inlet: 1/4"

+ Equipped with Pin Clutch Impact mechanism.
+ Low noise, stable and smooth torque output during operation. Exceptional durability, easy to maintain.

10 pieces are packed in one carton

NC-3210 ★★★★

3/8" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Equipped with Twin Hammer Impact mechanism.
+ Low noise, light weight, yet strong & powerful.
+ Compact volume, ideal for confined working environment.

10 pieces are packed in one carton

NC-4131/4141 ★★★★

1/2" Drive Air Impact Wrench Pin Clutch Type

Air Inlet: 1/4"

+ Equipped with Pin Clutch Impact mechanism.
+ NC-4141 is equipped with 2" extended anvil.
+ Extremely stable and smooth torque output during operation.

10 pieces are packed in one carton

NEW ITEM

NC-4610 ★★★★

1/2" Drive Air Impact Wrench Jumbo Hammer Type

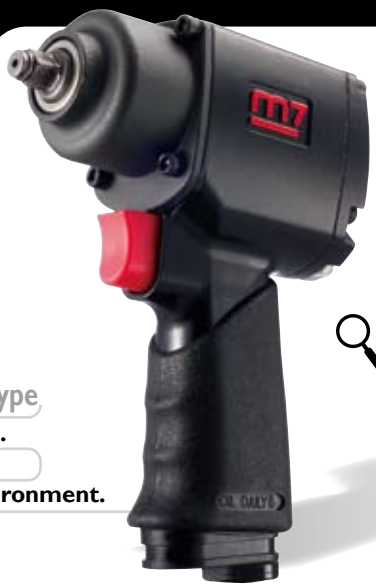
Air Inlet: 1/4"

+ As long as 115.5mm only, which is the shortest model among all 1/2" impact wrenches available in the market.
+ The maximum torque can reach high up to 500 FT-LB.
+ Outstanding shape for using feeling , ergonomic design for comfortable operation.

10 pieces are packed in one carton

Illustrator / Item No.	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch	inch (mm)	FT-LB(Nm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
NC-3111	3/8"	1/2"(13)	70-130(95-176)	160(216)	9000	4.0(113)	90 (6.3)	6-7/16" (163)	3.5(1.6)	3/8"	93.3	4.1
NC-3210	3/8"	1/2"(13)	100-300(136-407)	350(474)	10000	4.0(113)	90 (6.3)	5-5/8" (142)	3.3(1.5)	3/8"	92.1	3.6
NC-4131	1/2"	5/8"(16)	150-350(203-475)	450(610)	7000	4.2(119)	90 (6.3)	7-7/8" (200)	5.3(2.4)	3/8"	95.1	2.7
NC-4141	1/2"	5/8"(16)	150-350(203-475)	450(610)	7000	4.2(119)	90 (6.3)	9-3/8" (238)	5.5(2.5)	3/8"	95.1	2.7
NC-4610	1/2"	5/8"(16)	200-350(271-475)	450(610)	9000	4.4(124)	90 (6.3)	4-9/16" (115.5)	3.52(1.6)	3/8"	93.0	2.8

Air Impact Wrench



NC-4210 ★★★★

1/2" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Equipped with Twin Hammer Impact mechanism.
+ Low noise, light weight, yet strong & powerful.
+ Compact volume, ideal for confined working environment.

10 pieces are packed in one carton

NEW ITEM

NC-4210N★★★★

1/2" Drive Air Impact Wrench Kit Twin Hammer Type

Air Inlet: 1/4"

+ Stubby impact sockets, 6 points:5pcs 13, 17,19, 22, 24, mm
+ 1/4" plug:1pc
+ Equipped with Twin Hammer Impact mechanism.
+ Low noise, light weight, yet strong & powerful.
+ Compact volume, ideal for confined working environment.

10 pieces are packed in one carton

NC-4213/4223★★★

1/2" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Equipped with Twin Hammer Impact mechanism.
+ Efficient & reliable torque output during operation.
+ Handle exhaust efficiently reduces the noise and directs air away from the working spot.
+ NC-4223 is equipped with 2" extended anvil.

10 pieces are packed in one carton

Illustrator / Item No.	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch	inch (mm)	FT-LB(Nm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
NC-4210	1/2"	5/8"(16)	150-350(203-475)	400(542)	10000	4.2(119)	90(6.3)	5-5/8"(142)	3.5(1.6)	3/8"	90.6	2.8
NC-4210N	1/2"	5/8"(16)	150-350(203-475)	400(542)	10000	4.2(119)	90(6.3)	5-5/8"(142)	3.5(1.6)	3/8"	90.6	2.8
NC-4213	1/2"	5/8"(16)	180-400(244-542)	600(813)	6500	4.2(119)	90(6.3)	7-3/16"(182)	6.2(2.8)	3/8"	91	3.8
NC-4223	1/2"	5/8"(16)	180-400(244-542)	600(813)	6500	4.2(119)	90(6.3)	9-1/4"(232)	6.4(2.9)	3/8"	91	3.8

NC-4217 ★★★★

1/2" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Equipped with Twin Hammer Impact mechanism.
+ Common applications are overall automotive service and body shop.

8 pieces are packed in one carton

NC-4212/4222 ★★★★★

1/2" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Twin Hammer mechanism provides fast and instant balance torque output.
+ 4 pieces parts, easy to do the maintenance.
+ Break loose a frozen or rusted bolt easily.
+ Six-Position power management.
+ For heavy automotive, pumps out 550 ft.-lbs. torque.
+ Equipped with Twin Hammer Impact mechanism.
+ Efficient & reliable torque output during operation.
+ Handle exhaust efficiently reduces the noise and directs air away from the working area.
+ NC-4222 is equipped with 2" extended anvil.

8 pieces are packed in one carton

NC-4215/4225 ★★★★★

1/2" Drive Air Impact Wrench New Twin Hammer Type

Air Inlet: 1/4"

+ New Twin Hammer impact mechanism is equipped to increase durability and efficiency.
+ Mechanism lubrication Auto-grease system.
+ 4 pieces parts, easy to do the maintenance.
+ Break loose a frozen or rusted bolt easily.
+ For heavy automotive, pumps out 700 ft.-lbs. torque.
+ The most durable model in this class.
+ Handle exhaust efficiently reduces the noise and directs air away from the working area.
+ NC-4225 is equipped with 2" extended anvil.

8 pieces are packed in one carton

Illustrator / Item No.	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch	inch (mm)	FT-LB(Nm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
NC-4217	1/2"	5/8"(16)	150-320(203-434)	400(542)	7000	4.2(119)	90(6.3)	7-1/4"(184)	5.6(2.5)	3/8"	92.1	3.7
NC-4212	1/2"	5/8"(16)	150-300(203-407)	550(746)	7000	4.0(113)	90(6.3)	7-13/64" (182)	6.2(2.8)	3/8"	86.1	3.7
NC-4222	1/2"	5/8"(16)	150-300(203-407)	550(746)	7000	4.0(113)	90(6.3)	9-13/64" (233)	6.6(3.0)	3/8"	86.1	3.7
NC-4215	1/2"	3/4"(19)	180-400(244-542)	700(949)	6500	4.4(124)	90(6.3)	7-11/16" (195)	6.3(2.9)	3/8"	91.4	3.8
NC-4225	1/2"	3/4"(19)	180-400(244-542)	700(949)	6500	4.4(124)	90(6.3)	9-11/16"(246)	6.8(3.1)	3/8"	91.4	3.8

Air Impact Wrench

NC-4230/4240 ★★★★★

1/2" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Equipped with Twin Hammer Impact mechanism.
+ Efficient & reliable torque output during operation.
+ Handle exhaust efficiently reduces the noise and directs air away from the working spot.

8 pieces are packed in one carton

NC-4216/4226 ★★★★

1/2" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Equipped with Twin Hammer Impact mechanism.
+ Light weight composite main housing.
+ Forward / reverse and speed can be controlled simultaneously only with Multi-function switch.
+ NC-4226 is equipped with 2" extended anvil.
+ Integrated cylinder & rear end plate allows stable powerful output and easy to the maintenance dramatically.

10 pieces are packed in one carton

NEW ITEM

NC-4258 ★★★

1/2" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Equipped with Twin Hammer Impact mechanism.
+ Quicker loosening saves time.
+ Common applications are overall automotive service and body shop.

8 pieces are packed in one carton

Illustrator	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch	inch (mm)	FT-LB(Nm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
Item No.												
NC-4230	1/2"	3/4"(19)	180-500(244-678)	700(949)	7500	4.5(127)	90(6.3)	6-15/32"(164)	5.5(2.5)	3/8"	87	4.5
NC-4216	1/2"	5/8"(16)	180-400(244-542)	650(881)	9000	4.2(119)	90(6.3)	7-3/4" (195)	4.4(2.0)	3/8"	93.9	4.5
NC-4226	1/2"	5/8"(16)	180-400(244-542)	650(881)	9000	4.2(119)	90(6.3)	8-7/8" (225)	4.8(2.2)	3/8"	93.9	4.5
NC-4258	1/2"	5/8"(16)	150-300(203-407)	400(542)	7000	4.2(119)	90(6.3)	7-1/4" (185)	5.6(2.5)	3/8"	93.2	4.4

NC-6113/6123 ★★★★

3/4" Drive Air Impact Wrench Pin Clutch Type

Air Inlet: 1/4"

+ Equipped with Pin Clutch Impact mechanism.
+ Extremely stable & reliable torque output during operation.
+ Can be applied extensively.
+ NC-6123 is equipped with 6" extended anvil.

4 pieces are packed in one carton

NC-6212/6222 ★★★★★

3/4" Drive Air Impact Wrench New Twin Hammer Type

Air Inlet: 1/4"

+ New Twin Hammer impact mechanism increases durability and efficiency.
+ Handle exhaust efficiently reduces the noise and directs air away from the working spot.
+ The lightest model among 3/4" series of impact wrenches.
+ NC-6222 is equipped with 2" extended anvil.

8 pieces are packed in one carton

NC-6210/6220 ★★★★★

3/4" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/4"

+ Twin Hammer impact mechanism increases durability and efficiency.
+ Stronger power output improves performance and accuracy.
+ NC-6220 is equipped with 6" extended anvil.

8 pieces are packed in one carton

Illustrator / Item No.	Square Drive (inch)	Bolt Capacity (inch (mm))	Torque Range (FT-LB (Nm))	Max Torque (FT-LB (Nm))	Free Speed (R.P.M)	Avg. Air Consumption (CFM (L/min))	Air Pressure (PSI(bar))	Overall Length (inch(mm))	Net Weight (LBS(Kg))	Air Hose (inch)	Sound Pressure (Power) EN ISO 15744 (dBA)	Vibration level (m/s²)
NC-6113	3/4"	1"(25)	150-600(203-814)	850(1153)	4500	7(198)	90(6.3)	10" (252)	10.1(4.6)	1/2"	94.3	7.2
NC-6123	3/4"	1"(25)	150-600(203-814)	850(1153)	4500	7(198)	90(6.3)	14-3/16" (360)	11.6(5.3)	1/2"	94.3	7.2
NC-6212	3/4"	3/4" (19)	180-400(244-542)	750(1017)	6300	4.4(124)	90(6.3)	7-61/64" (227)	6.6(3.0)	1/2"	88.1	7.8
NC-6222	3/4"	3/4" (19)	180-400(244-542)	750(1017)	6300	4.4(124)	90(6.3)	10-1/4" (260)	7.5(3.4)	1/2"	88.1	7.8
NC-6210	3/4"	3/4" (19)	180-600(244-810)	750(1017)	7500	4.5(127)	90(6.3)	6-45/64" (170)	5.61(2.55)	3/8"	87	4.5

Air Impact Wrench

NC-6215/6225 ★★★★★

3/4" Drive Air Impact Wrench NewTwin Hammer Type

Air Inlet: 1/4"

+ New Twin Hammer impact mechanism increases durability and efficiency.
+ Forward / reverse and speed can be controlled simultaneously only with Multi-function switch.
+ Torque can be generated instantly.
+ NC-6225 is equipped with 6" extended anvil.
+ Handle exhaust efficiently reduces the noise and directs air away from the working spot.

4 pieces are packed in one carton

NC-6216/6226 ★★★★★

3/4" Drive Air Impact Wrench NewTwin Hammer Type

Air Inlet: 3/8"

+ New Twin Hammer impact mechanism increases durability and efficiency.
+ Stronger power output improves performance and accuracy.
+ NC-6226 is equipped with 6" extended anvil.
+ Forward / reverse and speed can be controlled simultaneously only with Multi-function switch.

4 pieces are packed in one carton

NC-8212 ★★★★

1" Drive Air Impact Wrench NewTwin Hammer Type

Air Inlet: 3/8"

+ New Twin Hammer impact mechanism increases durability and efficiency.
+ Stronger power output improves performance and accuracy.
+ Forward / reverse and speed can be controlled simultaneously only with Multi-function switch.

4 pieces are packed in one carton

Illustrator / Item No.	Square Drive (inch)	Bolt Capacity (inch (mm))	Torque Range (FT-LB(Nm))	Max Torque (FT-LB(Nm))	Free Speed (R.P.M)	Avg. Air Consumption (CFM (L/min))	Air Pressure (PSI(bar))	Overall Length (inch(mm))	Net Weight (LBS(Kg))	Air Hose (inch)	Sound Pressure (Powe) EN ISO 15744 (dBA)	Vibration level (m/s²)
NC-6215	3/4"	1"(25)	180-600(244-810)	900(1220)	6500	7(198)	90(6.3)	9-7/32" (234)	10.0(4.5)	1/2"	91.5	10.8
NC-6225	3/4"	1"(25)	180-600(244-810)	900(1220)	6500	7(198)	90(6.3)	13-3/4" (350)	10.8(4.9)	1/2"	91.5	10.8
NC-6216	3/4"	1-1/16"(27)	200-1000(271-1356)	1200(1627)	6000	6.0 (170)	90(6.3)	9-1/4" (235)	9.0(4.1)	1/2"	91.2	5.0
NC-6226	3/4"	1-1/16"(27)	200-1000(271-1356)	1200(1627)	6000	6.0 (170)	90(6.3)	13-3/4" (350)	9.9(4.5)	1/2"	91.2	5.0
NC-8212	1"	1-1/16"(27)	200-1000(271-1356)	1300(1762)	6000	6.0 (170)	90(6.3)	9-1/4"(235)	9.68(4.4)	1/2"	91.2	5.0

NEW ITEM

NC-8219 ★★★★

1" Drive Air Impact Wrench New Twin Hammer Type

Air Inlet: 1/2"

+ New Twin Hammer mechanism equipped. More power and prolong lifetime.
+ The anvil is made by nickel chrome molybdenum and well heat treatment.
+ Side exhaust include silencer reduce the noise.

2 pieces are packed in one carton

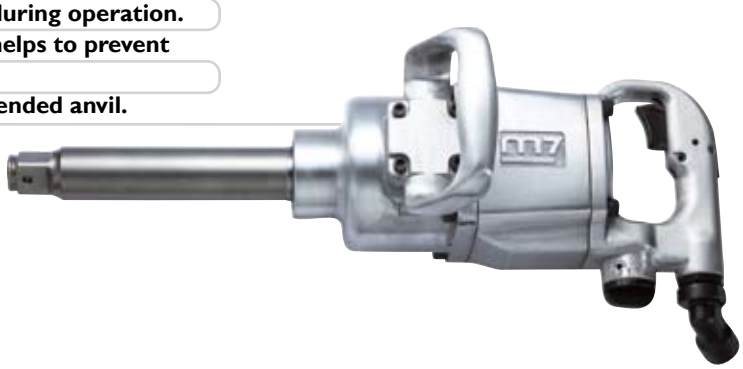
NC-8321/8341 ★★★

1" Drive Air Impact Wrench Pin Less Type

Air Inlet: 1/2"

+ Equipped with Pin-less impact mechanism.
+ Stable & smooth torque output during operation.
+ Inside the handle trigger design helps to prevent accidental start.
+ NC-8341 is equipped with 8" extended anvil.

2 pieces are packed in one carton



NEW ITEM

NC-8311/8351 ★★★★

1" Drive Air Impact Wrench Pin Less Type

Air Inlet: 1/2"

+ Equipped with Pin-less impact mechanism.
+ Stable & smooth torque output during operation.
+ Inside the handle trigger design helps to prevent accidental start.
+ NC-8351 is equipped with 8" extended anvil.

2 pieces are packed in one carton

Illustrator / Item No.	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe.) EN ISO 15744	Vibration level
	inch	inch (mm)	FT-LB (Nm)	FT-LB (Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
NC-8219	1"	1-7/16"(36)	200-1600(271-2170)	1800(2441)	4000	11.0 (311)	90(6.3)	12-13/32"(315)	21.69(9.84)	1/2"	103.4	16.71
NC-8321	1"	1-3/8" (33)	200-1600(271-2170)	1800(2441)	4000	11.5(325)	90(6.3)	15" (380)	24.0(10.9)	1/2"	97	6.3
NC-8341	1"	1-3/8" (33)	200-1600(271-2170)	1800(2441)	4000	11.5(325)	90(6.3)	20" (510)	27.6(12.5)	1/2"	97	6.3
NC-8311	1"	1-3/8" (33)	200-1600(271-2170)	1800(2441)	4000	11.5(325)	90(6.3)	15" (380)	24.0(10.9)	1/2"	101	7.3
NC-8351	1"	1-3/8" (33)	200-1600(271-2170)	1800(2441)	4000	11.5(325)	90(6.3)	20" (510)	27.6(12.5)	1/2"	101	7.3

Air Impact Wrench

NEW ITEM

NC-8232 ★★★★★

1" Drive Air Impact Wrench New Twin Hammer Type

Air Inlet: 1/2"

+ NEW TWIN HAMMER impact mechanism, superior lifespan.
+ The components of impact mechanism was made of fine alloy steel, which well increases the durability of the components.
+ The torque can be generated up to 1800 FT-LB within 5 seconds.
+ Ergonomic design for comfortable operation.

1 pieces are packed in one carton

NC-8322/8342 ★★★★

1" Drive Air Impact Wrench Pin Less Type

Air Inlet: 1/2"

+ Equipped with Pin-less impact mechanism.
+ Fast to gain max torque within 3 seconds.
+ Excellent for high volume works on trucks, buses and heavy construction equipments...etc.
+ NC-8342 is equipped with 8" extended anvil.

1 pieces are packed in one carton

NEW ITEM

NC-9223 ★★★★★

1-1/2" Drive Air Impact Wrench New Twin Hammer Type

Air Inlet: 1/2"

+ NewTwin Hammer mechanism provides fast and instant balance torque output.
+ 4 pieces parts mechanism, easy to do the maintenance.
+ Break loose a frozen or rusted bolt easily.

1 pieces are packed in one carton

Illustrator / Item No.	Square Drive (inch)	Bolt Capacity (inch (mm))	Torque Range (FT-LB(Nm))	Max Torque (FT-LB(Nm))	Free Speed (R.P.M)	Avg. Air Consumption (CFM (L/min))	Air Pressure (PSI(bar))	Overall Length (inch(mm))	Net Weight (LBS(Kg))	Air Hose (inch)	Sound Pressure (Powe) EN ISO 15744 (dBA)	Vibration level (m/s²)
NC-8232	1"	1-7/16" (36)	200-1600(271-2170)	1800(2441)	4000	11.0(311)	90(6.3)	20-13/32"(518)	24.86(11.3)	1/2"	102	11.5
NC-8322	1"	1-7/16"(36)	200-2000(271-2710)	2500(3390)	3300	11.0(284)	90(6.3)	17-5/16"(440)	34.2(15.5)	1/2"	93.9	8.8
NC-8342	1"	1-7/16"(36)	200-2000(271-2710)	2500(3390)	3300	11.0(284)	90(6.3)	20" (510)	38.0(17.3)	1/2"	93.9	8.8
NC-9223	1-1/2"	2"(50)	200-3000(271-4065)	3500(4746)	3000	16.0(453)	90(6.3)	17-3/4" (450)	42.29(19.7)	3/4"	104.52	8.86

NC-0415 (set)

1/2" Drive Impact Socket Wrench-Set 15pcs

+ 1pc-1/2" Air Impact Wrench
+ 10pcs-Impact sockets, 6 points, standard length
  9, 10, 11, 13, 14, 17, 19, 22, 24, 27mm
+ 1pc-Extension bar 5"
+ 1pc-Allen Key : 4mm
+ 1pc-Mini Oiler 1/4" female x 1/4" male
+ 1pc-1/4" plug

5 pieces are packed in one carton

Item No.	Air Impact Wrench
NC-0425M0	NC-4212
NC-0425M1	NC-4215
NC-0425M2	NC-4216

Item No.	Air Impact Wrench
NC-0415M4	NC-4213
NC-0415M8	NC-4131
NC-0415M6	NC-4217

NC-0615 (set)

3/4" Drive Impact Socket Wrench-Set 15pcs

+ 1pc-3/4" Air Impact Wrench
+ 8pcs-Impact sockets, 6 points, standard length
  26, 27, 29, 30, 32, 35, 36, 38mm
+ 1pc-Extension bar 7"
+ 1pc-Universal Joint
+ 2pcs-Allen Key : 4mm, 5mm
+ 1pc-Mini Oiler 1/4"-6113,6215 , 3/8"-6216
+ 1pc-1/4" plug - 6113.6215 , 3/8" plug - 6216
+ 1pc-O-Ring&Pin

2 pieces are packed in one carton

Item No.	Air Impact Wrench
NC-0615M0	NC-6113
NC-0615M1	NC-6216
NC-0615M2	NC-6215

Air Ratchet Wrench

Illustrator / Item No.	Square Drive	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch	FT-LB (Nm)	FT-LB (Nm)	R.P.M	CFM (L/min)	PSI (bar)	inch (mm)	LBS (Kg)	inch	dBA	m/s²
NE-251	1/4"	5-15(6.7-20)	22(30)	350	3.0(84.96)	90(6.3)	5"(125)	1.1(0.5)	3/8"	89	4.4
NE-351	3/8"	5-15(6.7-20)	22(30)	350	3.0(84.96)	90(6.3)	5"(125)	1.1(0.5)	3/8"	89	4.4
NE-211	1/4"	5-15(6.7-20)	18(24)	240	3.0(84.96)	90(6.3)	8"(205)	1.3(0.59)	3/8"	89.6	3.9
NE-311	3/8"	5-15(6.7-20)	18(24)	240	3.0(84.96)	90(6.3)	8"(205)	1.3(0.59)	3/8"	88.8	4.6

NEW ITEM

NE-251/351 ★★★

1/4" Drive &3/8" Drive Stubby Air Ratchet Wrench

Air Inlet: 1/4"

+ Ratchet head has easy to use forward / reverse valve.
+ Ideal for confined working condifions.
+ Common applications are body shop repair,small engine and under the dashboard work.

20 pieces are packed in one carton

NE-211/311 ★★★

1/4" Drive &3/8" Drive Mini Air Ratchet Wrench

Air Inlet: 1/4"

+ High speed of revolution (R.P.M.) allows fast positioning.
+ Compact & lightweight, ideal for confined working environments.
+ Maximum Torque: 18ft-lbs.

20 pieces are packed in one carton

NE-321/ 421 ★★★★

3/8" Drive & 1/2" Drive Air Ratchet Wrench

Air Inlet: 1/4"

+ High speed of revolution (R.P.M.) allows fast positioning.
+ Compact & lightweight, ideal for confined working environments.
+ Maximum Torque: 50ft-lbs.

20 pieces are packed in one carton

NE-332/ 432 ★★★★

3/8" Drive &1/2" Drive Quick Release Air Ratchet Wrench

Air Inlet: 1/4"

+ Quick release button enables socket changing fast and conveniently.
+ High speed of revolution (R.P.M.) allows fast positioning.
+ Hardened gears, needle and ball bearings provide longer lifetime.
+ Maximum Torque: 60ft-lbs.

20 pieces are packed in one carton

Illustrator / Item No.	Square Drive	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch	FT-LB (Nm)	FT-LB (Nm)	R.P.M	CFM (L/min)	PSI (bar)	inch (mm)	LBS (Kg)	inch	dBA	m/s²
NE-321	3/8"	10-35(13.5-47)	50(68)	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.3(1.04)	3/8"	91.0	3.9
NE-421	1/2"	10-35(13.5-47)	50(68)	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.3(1.04)	3/8"	92.8	4.6
NE-332	3/8"	10-45(13.5-61)	60(81)	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.68(1.22)	3/8"	90.5	4.4
NE-432	1/2"	10-45(13.5-61)	60(81)	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.68(1.22)	3/8"	89.8	5.2

Air Die Grinder

★★★★
QA-111A (Metric Size) ; QA-111B (Inch Size)
Air Die Grinder

Air Inlet: 1/4"

+ Handy & ergonomic design provides excellent maneuverability.
+ Speed regulator allows controlling speed precisely.
+ Both 3 and 6mm or 1/8" and 1/4" collets are included.

20 pieces are packed in one carton

★★★★
QA-311A (Metric Size) ; QA-311B (Inch Size)
Extended Air Die Grinder

Air Inlet: 1/4"

+ Same features as QA-111, equipped with 1" extended working shaft.

12 pieces are packed in one carton

★★★★
QA-313A (Metric Size) ; QA-313B (Inch Size)
Extended Air Die Grinder

Air Inlet: 1/4"

+ Same features as QA-111, equipped with 3" extended working shaft.

12 pieces are packed in one carton

★★★★
QA-315A (Metric Size);QA-315B (Inch Size)
Extended Air Die Grinder

Air Inlet: 1/4"

+ Same features as QA-111, equipped with 5" extended working shaft.

12 pieces are packed in one carton

Illustrator / Item No.	Collet Size A mm	Collet Size B inch	Free Speed R.P.M	Avg. Air Consumption CFM(L/min)	Air Pressure PSI(bar)	Overall Length inch(mm)	Motor HP	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
QA-111	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	6"(155)	0.3	0.84(0.38)	3/8"	81.5	1.8
QA-311	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	7-1/2"(190)	0.3	1.06(0.48)	3/8"	81.5	1.8
QA-313	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	9-1/4"(235)	0.3	1.28(0.58)	3/8"	81.5	1.8
QA-315	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	11"(280)	0.3	1.39(0.63)	3/8"	81.5	1.8

★★★★

QA-211A (Metric Size); QA-211B (Inch Size)

Heavy Duty Air Die Grinder

Air Inlet: 1/4"

+ 0.9 HP high power motor efficiently handles the toughest jobs.
+ Both 3 and 6mm or 1/8" and 1/4" collets are included.

20 pieces are packed in one carton

★★★

QA-611A (Metric Size); QA-611B (Inch Size)

90° Air Angle Die Grinder

Air Inlet: 1/4"

+ 90° working angle provides wide flexibility in confined areas.
+ Both 3 and 6mm or 1/8" and 1/4" collets are included.

20 pieces are packed in one carton

QA-0215A(Set) (Metric Size); QA-0215B(Set) (Inch Size)

Heavy Duty Air Die Grinder-Set 15pcs

+ 1pc Air Die Grinder
+ 1pc Collet (3 mm or 1/8")
+ 2pcs Spanner Wrench
+ 5pcs Grinder Stone (3 mm or 1/8")
+ 5pcs Shank Stone (6 mm or 1/4")
+ 1pc Plug (adapter)

10 pieces are packed in one carton

Illustrator / Item No.	Collet Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI (bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QA-211A	6 & 3mm	20000	10.0(283)	90(6.3)	7-1/2"(190)	0.9	1.43(0.65)	3/8"	75.7	0.8
QA-211B	1/4" & 1/8"	20000	10.0(283)	90(6.3)	7-1/2"(190)	0.9	1.43(0.65)	3/8"	75.7	0.8
QA-611A	6 & 3mm	19000	10.0(283)	90(6.3)	6-1/8"(160)	0.3	1.12(0.51)	3/8"	74.4	1.7
QA-611B	1/4" & 1/8"	19000	10.0(283)	90(6.3)	6-1/8"(160)	0.3	1.12(0.51)	3/8"	74.4	1.7

Micro Air Die Grinder

QA-412 ★★★★

Micro Air Die Grinder

Air Inlet: 1/4"

+ High quality bearings provides longer life time.
+ Low vibration helps to reduce noise and to ease the control.
+ Ideal for machining dies, molds or other tiny grinding necessities.

20 pieces are packed in one carton

QA-421 ★★★★

Micro Air Die Grinder

Air Inlet: 1/4"

+ Cushion handle grip provides non-slip surface.
+ Stainless steel front housing eliminates rust…
+ Ideal for machining dies, molds or other tiny grinding necessities.

20 pieces are packed in one carton

QA-432 ★★★

Micro Air Die Grinder

Air Inlet: 1/4"

+ High quality bearings efficiently increase the lifetime.
+ Low vibration helps to reduce noise and to ease the control.
+ Ideal for machining dies, molds or other tiny grinding necessities.

20 pieces are packed in one carton

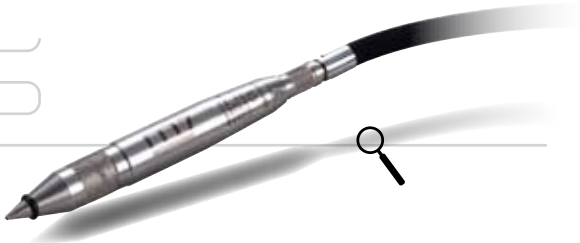
QA-511★★★★

Engraving Pen

Air Inlet: 1/4"

+ Comfortable handle allows smooth operation.
+ Longer lifetime and lower vibration.
+ Stainless steel front housing eliminates rust.

20 pieces are packed in one carton



Illustrator / Item No.	Collet Size inch(mm)	Free Speed R.P.M	Blow Per Minute bpm	Avg. Air Consumption CFM(L/min)	Air Pressure PSI(bar)	Overall Length inch(mm)	Hose length mm	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
QA-412	1/8" (3)	60000	—	2.7(76)	90(6.3)	6-3/4"(170)	1500	0.53(0.24)	3/8"	70.0	0.5
QA-421	1/8" (3)	60000	—	2.7(76)	90(6.3)	6"(150)	1500	0.49(0.22)	3/8"	70.0	0.5
QA-432	1/8" (3)	70000	—	1.0(29)	90(6.3)	5-3/8"(137)	1425	0.4(0.20)	3/8"	70.0	0.5
QA-511	—	—	13000	1.0(29)	90(6.3)	5-1/2"(140)	1420	0.5(0.23)	3/8"	78.0	0.6

Air Angle Grinder

OIL DAILY

Air Angle Grinder

QB-104 / 105 ★★★★

Air Angle Grinder / Roll Type Throttle

Air Inlet: 1/4"

+ Front exhaust.
+ Powerful 0.78 hp motor provides sufficient power for most grinding necessities.
+ Strengthened alloy steel bevel gears dramatically improve performance and durability.

★ Note: The grinding wheel is not supplied along with the tool.

10 pieces are packed in one carton

QB-114 / 115 ★★★★

Air Angle Grinder / Lever Type Throttle

Air Inlet: 1/4"

+ Same features as QB-104 / QB-105, but equipped with safety throttle lever.

★ Note: The grinding wheel is not supplied along with the tool.

10 pieces are packed in one carton

QB-124 / 125 ★★★★

Air Angle Grinder / Lever Type Throttle

Air Inlet: 1/4"

+ Rear exhaust.
+ Powerful 0.8 hp motor provides sufficient power for most grinding necessities.
+ Composite material housing reduces the weight and improves comforts of operation.

★ Note: The grinding wheel is not supplied along with the tool.

10 pieces are packed in one carton

Illustrator / Item No.	Pad Dia inch(mm)	Spindle Size	Free Speed R.P.M	Avg. Air Consumption CFM(L/min)	Air Pressure PSI(bar)	Overall Length inch(mm)	Motor HP	Net Weight LBS(kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
QB-104	4"(100)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0(1.81)	3/8"	87.8	1.2
QB-105	5"(125)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0(1.81)	3/8"	87.1	1.2
QB-114	4"(100)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0(1.81)	3/8"	87.8	1.2
QB-115	5"(125)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0(1.81)	3/8"	87.1	1.2
QB-124	4"(100)	3/8"-24	11000	6.0(170)	90(6.3)	9" (230)	0.8	3.8(1.73)	3/8"	85.7	3.0
QB-125	5"(125)	5/8"-11	11000	6.0(170)	90(6.3)	9"(230)	0.8	3.9(1.78)	3/8"	87	5.9

QB-134/ 135 ★★★★

Air Angle Grinder / Lever Type Throttle

Air Inlet: 1/4"

+ Same features as QB-104 / QB-105, but equipped with safety throttle lever.

★ Note:The grinding wheel is not supplied along with the tool.

10 pieces are packed in one carton

QB-107 ★★★★

Air Angle Grinder / Roll Type Throttle

Air Inlet: 3/8"

+ Front exhaust.
+ Powerful 1.0 hp motor provides plenty of power for rust and material removal.
+ Unique motor controller (Governor) virtually eliminates over speed.

★ Note:The grinding wheel is not supplied along with the tool.

6 pieces are packed in one carton

QB-117 ★★★★

Air Angle Grinder / Lever Type Throttle

Air Inlet: 3/8"

+ Same feature as QB-107, but with safety throttle lever.

★ Note:The grinding wheel is not supplied along with the tool.

6 pieces are packed in one carton

QC-213 ★★★★

Heavy Duty Air Cut-Off Tool Wheel Size: 3" (76mm)

+ 0.9 hp high power motor.
+ Cast aluminum housing for longer lifetime.
+ Excellent for cutting rusted bolts, nuts, muffler clamps or hangers, sheet metal, fiberglass…etc.

20 pieces are packed in one carton

Illustrator / Item No.	Pad Dia inch(mm)	Spindle Size	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length inch(mm)	Motor HP	Net Weight LBS (kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
QB-134	4"(100)	M10xP1.5	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0(1.81)	3/8"	87.8	1.2
QB-135	5"(125)	M14xP2.0	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0(1.81)	3/8"	87.1	1.2
QB-107	7"(178)	—	7000	9.0(255)	90(6.3)	11-1/4"(290)	1.0	7.1(3.24)	1/2"	89.7	1.0
QB-117	7"(178)	—	7000	9.0(255)	90(6.3)	13-1/2"(343)	1.0	7.1(3.24)	1/2"	89.7	1.0
QC-213	—	—	20000	10(283)	90(6.3)	7-7/8"(200)	0.9	1.9(0.86)	3/8"	80.2	10.8

Air Belt Sander

QB-311 ★★★
Air Belt Sander

Air Inlet: 1/4"

+ The running position of sanding belt can be easily adjusted.
+ Working angle can be set freely.

20 pieces are packed in one carton

QB-312 ★★★
Air Belt Sander

Air Inlet: 1/4"

+ The running position of sanding belt can be easily adjusted.
+ Working angle can be set freely.

10 pieces are packed in one carton

NEW ITEM

QB-313 ★★★
Air Belt Sander

Air Inlet: 1/4"

+ Superior lifespan.
+ Direct-drive motor, less easy-to-wear components needed.
+ Ergonomic design for comfortable operation.
+ Using standard 30mm sanding belt, enhance wider removing area.

6 pieces are packed in one carton

Illustrator / Item No.	Belt Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
QB-311	3/8"x13"(10x330)	16000	8.0(226)	90(6.3)	11-1/2"(290)	1.76(0.80)	3/8"	89.7	0.5
QB-312	3/4"x19"(20x520)	16000	9.0(254)	90(6.3)	14"(360)	2.65(1.20)	3/8"	91.8	0.4
QB-313	1-3/16"x21-1/4"(30x540)	13000	10(283)	90(6.3)	15-3/8"(390)	5.28(2.4)	3/8"	81	1.2

Air Sander

QB-52 ★★★

Air Random Orbital Sander / Non-Vacuum

Air Inlet: 1/4"

+ Rubber palm grip allows one hand operation.
+ 3/16" (5mm) orbit for fine finishes.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.

8 pieces are packed in one carton

QB-53 ★★★

Air Random Orbital Sander / Self-Generated Vacuum

Air Inlet: 1/4"

+ Equipped with 6 holes Velcro pad.
+ Rubber palm grip allows one hand operation.
+ 3/16" (5mm) orbit for fine finishes.
+ Hook (velcro) pad with 6 hole.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.

8 pieces are packed in one carton

QB-48111 ★★★★★

Air Jitterbug Sander / Non-Vacuum

Air Inlet: 1/4"

+ Spring cock can reduce the material cost of abrasive paper.
+ Elastic mechanism for durability and long lifespan.
+ Lower body with low center designed, while operating can be steady with face.

12 pieces are packed in one carton

Illustrator / Item No.	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QB-52502	5"(127)	10000	6(170)	90(6.3)	6"(153)	0.24	2.2(1.00)	3/8"	87.6	0.7
QB-52602	6"(152)	10000	6(170)	90(6.3)	6-1/2"(166)	0.24	2.65(1.20)	3/8"	87.6	1.7
QB-53802	5"(127)	10000	6(170)	90(6.3)	6"(153)	0.24	2.2(1.00)	3/8"	86.2	0.5
QB-53902	6"(152)	10000	6(170)	90(6.3)	6-1/2"(166)	0.24	2.65(1.20)	3/8"	80.1	1.2
QB-48111	4"x4-3/8"(100x110)	11000	7.0(198)	90(6.3)	5-1/5"(130)	0.28	2.0(0.91)	3/8"	83	1.5

Air Sander

QB-45 ★★★★

Air Random Orbital Sander / Central-Vacuum

Air Inlet: 1/4"

+ Convenient air / speed regulator.
+ Rubber palm grip allows one hand operation.
+ 3/16" (5mm) orbit for fine finishes.
+ Hook (Velcro) pad with 6 hole.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.

10 pieces are packed in one carton

QB-46 ★★★★

Air Random Orbital Sander / Non-Vacuum

Air Inlet: 1/4"

+ Rubber palm grip allows one hand operation.
+ Convenient air / speed regulator.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.
+ 3/16" (5mm) orbit for fine finishes.

10 pieces are packed in one carton

QB-47 ★★★★

Air Random Orbital Sander / Self-Generated Vacuum

Air Inlet: 1/4"

+ Equipped with 6 holes hook (Velcro) pad.
+ Rubber palm grip allows one hand operation.
+ Convenient air / speed regulator.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.
+ 3/16" (5mm) orbit for fine finishes.
+ Hook (velcro) pad with 6 hole.

6 pieces are packed in one carton

Illustrator / Item No.	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI (bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QB-45602	6"(152)	10000	3.85(109)	90(6.3)	7-1/2"(193)	0.24	1.85(0.84)	3/8"	81.6	7.1
QB-46502	5"(127)	10000	3.85(109)	90(6.3)	6"(153)	0.24	1.74(0.79)	3/8"	80.1	7.1
QB-46602	6"(152)	10000	3.85(109)	90(6.3)	6-1/2"(166)	0.24	1.74(0.79)	3/8"	80.1	7.1
QB-47602	6"(152)	10000	3.85(109)	90(6.3)	7-1/2"(193)	0.24	2.49(1.13)	3/8"	84.7	7.1

QB-41 ★★★★★

Air Random Orbital Sander / Central-Vacuum

Air Inlet: 1/4"

+ Rubber palm grip allows one hand operation.
+ Lightweight cast aluminum housing improves durability and lifetime.
+ Special rubber shroud provides maximum vacuum and no air leak.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.
+ 3/16" (5mm) orbit for fine finishes.
+ Hook (Velcro) pad with 6 hole.

10 pieces are packed in one carton

QB-42 ★★★★★

Air Random Orbital Sander / Non-Vacuum

Air Inlet: 1/4"

+ Rubber palm grip allows one hand operation.
+ Lightweight cast aluminum housing improves durability and lifetime.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.
+ 3/16" (5mm) orbit for fine finishes.
+ U.S.A. made urethane pad; sandpaper not included.

10 pieces are packed in one carton

QB-43 ★★★★★

Air Random Orbital Sander / Self-Generated Vacuum

Air Inlet: 1/4"

+ Rubber palm grip allows one hand operation.
+ Special rubber shroud provides maximum vacuum and no air leak.
+ Air hose and vacuum hose are both included.
+ 3/16" (5mm) orbit for fine finishes.
+ U.S.A. made urethane pad with 6 hole of hook (velcro) type.
+ Excellent for refinishing or smoothing the surface of metal, wood, leather…etc.

6 pieces are packed in one carton

Illustrator / Item No.	Pad Dia inch(mm)	Free Speed R.P.M	Avg. Air Consumption CFM(L/min)	Air Pressure PSI (bar)	Overall Length inch(mm)	Motor HP	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Powe) EN ISO 15744 dBA	Vibration level m/s²
QB-41902	6"(152)	10000	3.85(109)	90(6.3)	8"(206)	0.24	2.0(0.91)	3/8"	81.5	0.8
QB-42502	5"(127)	10000	3.85(109)	90(6.3)	6"(153)	0.24	1.78(0.81)	3/8"	75.7	0.6
QB-42602	6"(152)	10000	3.85(109)	90(6.3)	6-1/2"(166)	0.24	1.87(0.85)	3/8"	74.4	1.3
QB-43802	5"(127)	10000	3.85(109)	90(6.3)	8"(206)	0.24	3.28(1.49)	3/8"	83.9	1.3
QB-43902	6"(152)	10000	3.85(109)	90(6.3)	8-3/4"(221)	0.24	3.39(1.54)	3/8"	83.0	1.4

Air Shear

QG-102 ★★★

Air Shear/Straight Type

Air Inlet: 1/4"

+ Available to cut sheet aluminum up to 1.5mm, sheet steel 1.2mm and sheet stainless steel 1.0mm.
+ Heat treated shear blades for long lasting cutting performance.

10 pieces are packed in one carton

QG-202 ★★★

Air Shear/Pistol Type

Air Inlet: 1/4"

+ Available to cut sheet aluminum up to 1.5mm, 1.2mm steel and 1.0mm sheet stainless steel.
+ Heat treated shear blades for long lasting cutting performance.

10 pieces are packed in one carton

QG-103 ★★★★

Air Nibbler

Air Inlet: 1/4"

+ The strengthened punch allows longer lifetime.
+ Rear exhaust reduces the noise level.

10 pieces are packed in one carton

Illustrator / Item No.	Strokes Per min. S.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI(bar)	Overall Length inch(mm)	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Powe) EN ISO 15744 dBA	Vibration level m/s²
QG-102	2600	6.0(170)	90(6.3)	10"(254)	2.2(1.0)	3/8"	85.8	2.4
QG-202	2600	6.5(184)	90(6.3)	8-1/4"(210)	2.43(1.1)	3/8"	89.1	2.9
QG-103	2600	3.0 (85)	90(6.3)	7-3/5"(193)	2.2(1.0)	3/8"	88	2.8

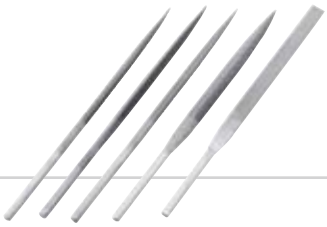
Air Saw

QD-221 ★★★

Air Saw With Hose

Air Inlet: 1/4"

+ Quick change saw blade holder allows blade changing easily.
+ 5 pieces file set and 2 saw blades are included.
+ Adjustable guard / guide controls depth of cut precisely.
+ Excellent for cutting sheet aluminum, plastic and sheet metal up to 1.6mm.



10 pieces are packed in one carton

QD-924

24T Saw Blade

+10 pcs / box
+Saw blade material: High-speed steel (HSS).

QD-932

32T Saw Blade

+10 pcs / box
+Saw blade material: High-speed steel (HSS).

Illustrator / Item No.	Stroke Length	Strokes Per min.	Collet Size	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	mm	spm	mm	CFM (L/min)	PSI (bar)	inch (mm)	LBS (Kg)	inch	dBA	m/s²
	—	spm				L	lb/kg			
QD-221	10	5000	4	4.0 (113)	90(6.3)	9-3/4"(250)	1.76(0.8)	3/8"	81.9	4.1

Air Drill

Illustrator / Item No.	Chuck size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	mm	R.P.M	CFM (L/min)	PSI (bar)	inch(mm)	LBS (Kg)	inch	dBA	m/s²
QE-331	10	1800	6.5(184)	90(6.3)	8"(203)	2.42(1.1)	3/8"	96.5	0.3
QE-332	10	2200	6.5(184)	90(6.3)	7-1/2"(190)	2.20(1.0)	3/8"	96.5	0.3
QE-333	10	1800	6.5(184)	90(6.3)	8"(203)	2.42(1.1)	3/8"	92	0.2
QE-334	10	2200	6.5(184)	90(6.3)	7-1/2"(190)	2.20(1.0)	3/8"	92	0.2

Air Drill

QE-341 ★★★

1/2" Air Reversible Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Available to retract drill bit reversely after drilling through the hole.
+ Convenient forward/ reverse switch allows fast direction change.
+ Handle exhaust efficiently reduces noise and directs air from working area.
+ Side handle bar is included, which provides improved stability.

10 pieces are packed in one carton

QE-342 ★★★

1/2" Air Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Single direction of revolution.
+ Handle exhaust efficiently reduces noise and directs air from working area.
+ Side handle bar is included, which provide better stability.

10 pieces are packed in one carton

QE-343 ★★★

1/2" Air Reversible Drill / With Key Chuck

Air Inlet: 1/4"

+ Same features as QE-341, but equipped with key chuck.

10 pieces are packed in one carton

QE-344 ★★★

1/2" Air Drill / With Key Chuck

Air Inlet: 1/4"

+ Same features as QE-342, but equipped with key chuck.

10 pieces are packed in one carton

Illustrator / Item No.	Chuck size (mm)	Free Speed (R.P.M)	Avg. Air Consumption (CFM (L/min))	Air Pressure (PSI (bar))	Overall Length (inch (mm))	Net Weight (LBS (Kg))	Air Hose (inch)	Sound Pressure (Power) EN ISO 15744 (dBA)	Vibration level (m/s²)
QE-341	13	800	6.5(184)	90(6.3)	9"(230)	3.96(1.8)	3/8"	96.5	0.1
QE-342	13	800	6.5(184)	90(6.3)	8-1/4"(209)	3.74(1.7)	3/8"	96.5	0.1
QE-343	13	800	6.5(184)	90(6.3)	9"(230)	3.96(1.8)	3/8"	97.5	0.1
QE-344	13	800	6.5(184)	90(6.3)	8-1/4"(209)	3.74(1.7)	3/8"	97.5	0.1

NEW ITEM

QE-431 ★★★★

3/8" Air Reversible Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ Easier and faster to change the drill bit with the quick chuck.
+ High drilling capacity well improves the efficiency.
+ "Forward" and "Reverse" can be switched less than a second.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

NEW ITEM

QE-432 ★★★★

3/8" Air Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ Easier and faster to change the drill bit with the quick chuck.
+ High drilling capacity well improves the efficiency.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

NEW ITEM

QE-433 ★★★★

3/8" Air Reversible Drill / With Key Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ High drilling capacity well improves the efficiency.
+ "Forward" and "Reverse" can be switched less than a second.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

NEW ITEM

QE-434 ★★★★

3/8" Air Drill / With Key Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ High drilling capacity well improves the efficiency.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

Illustrator / Item No.	Chuck size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	mm	R.P.M	CFM (L/min)	PSI (bar)	inch (mm)	LBS (Kg)	inch	dBA	m/s²
QE-431	10	1800	4.0(112)	90(6.3)	8-29/32"(226)	2.6(1.18)	3/8"	90.0	3.0
QE-432	10	2200	4.8(135)	90(6.3)	8-29/32"(226)	2.6(1.18)	3/8"	90.0	3.0
QE-433	10	1800	4.0(112)	90(6.3)	9-1/16"(230)	2.7(1.65)	3/8"	90.0	3.0
QE-434	10	2200	4.8(135)	90(6.3)	9-1/16"(230)	2.7(1.65)	3/8"	90.0	3.0

Air Drill

NEW ITEM

QE-441 ★★★★

1/2" Air Reversible Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ Easier and faster to change the drill bit with the quick chuck.
+ High drilling capacity well improves the efficiency.
+ "Forward" and "Reverse" can be switched less than a second.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

NEW ITEM

QE-442 ★★★★

1/2" Air Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ Easier and faster to change the drill bit with the quick chuck.
+ High drilling capacity well improves the efficiency.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

NEW ITEM

QE-443 ★★★★

1/2" Air Reversible Drill / With Key Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ High drilling capacity well improves the efficiency.
+ "Forward" and "Reverse" can be switched less than a second.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

NEW ITEM

QE-444 ★★★★

1/2" Air Drill / With Key Chuck

Air Inlet: 1/4"

+ Low malfunction rate, long life span.
+ High drilling capacity well improves the efficiency.
+ Torque outputs stably and smothly, low vibration and noise rates.

10 pieces are packed in one carton

Illustrator / Item No.	Chuck size (mm)	Free Speed (R.P.M)	Avg. Air Consumption (CFM (L/min))	Air Pressure (PSI (bar))	Overall Length (inch (mm))	Net Weight (LBS (Kg))	Air Hose (inch)	Sound Pressure (Powe) EN ISO 15744 (dBA)	Vibration level (m/s²)
QE-441	13	1100	4.0(112)	90(6.3)	10-53/64"(270)	3.5(1.58)	3/8"	90.0	3.0
QE-442	13	1300	4.8(135)	90(6.3)	10-53/64"(270)	3.5(1.58)	3/8"	90.0	3.0
QE-443	13	1100	4.0(112)	90(6.3)	10-53/64"(270)	3.8(1.73)	3/8"	90.0	3.0
QE-444	13	1300	4.8(135)	90(6.3)	10-53/64"(270)	3.8(1.73)	3/8"	90.0	3.0

QE-532 ★★★★★ NEW ITEM

3/8" Air Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Low malfunction rate, extremely long life span.
+ Easier and faster to change the drill bit with the "quick-to-change" chuck.
+ High drilling capacity well improves the efficiency.
+ Dual bearing design efficiently increases the life span and concentricity.
+ Equipped with top quality chuck, which is widely used on various machine tools.

10 pieces are packed in one carton

QE-533 ★★★★★ NEW ITEM

3/8" Air Reversible Drill / With Key Chuck

Air Inlet: 1/4"

+ Low malfunction rate, extremely long life span.
+ "Forward" and "Reverse" can be switched less than a second.
+ High drilling capacity well improves the efficiency.
+ Dual bearing design efficiently increases the life span and concentricity.
+ Equipped with top quality chuck, which is widely used on various machine tools.

10 pieces are packed in one carton

QE-542 ★★★★★ NEW ITEM

1/2" Air Drill / With Keyless Chuck

Air Inlet: 1/4"

+ Low malfunction rate, extremely long life span.
+ Easier and faster to change the drill bit with the "quick-to-change" chuck.
+ High drilling capacity well improves the efficiency.
+ Dual bearing design efficiently increases the life span and concentricity.
+ Equipped with top quality chuck, which is widely used on various machine tools.

10 pieces are packed in one carton

QE-543 ★★★★★ NEW ITEM

1/2" Air Reversible Drill / With Key Chuck

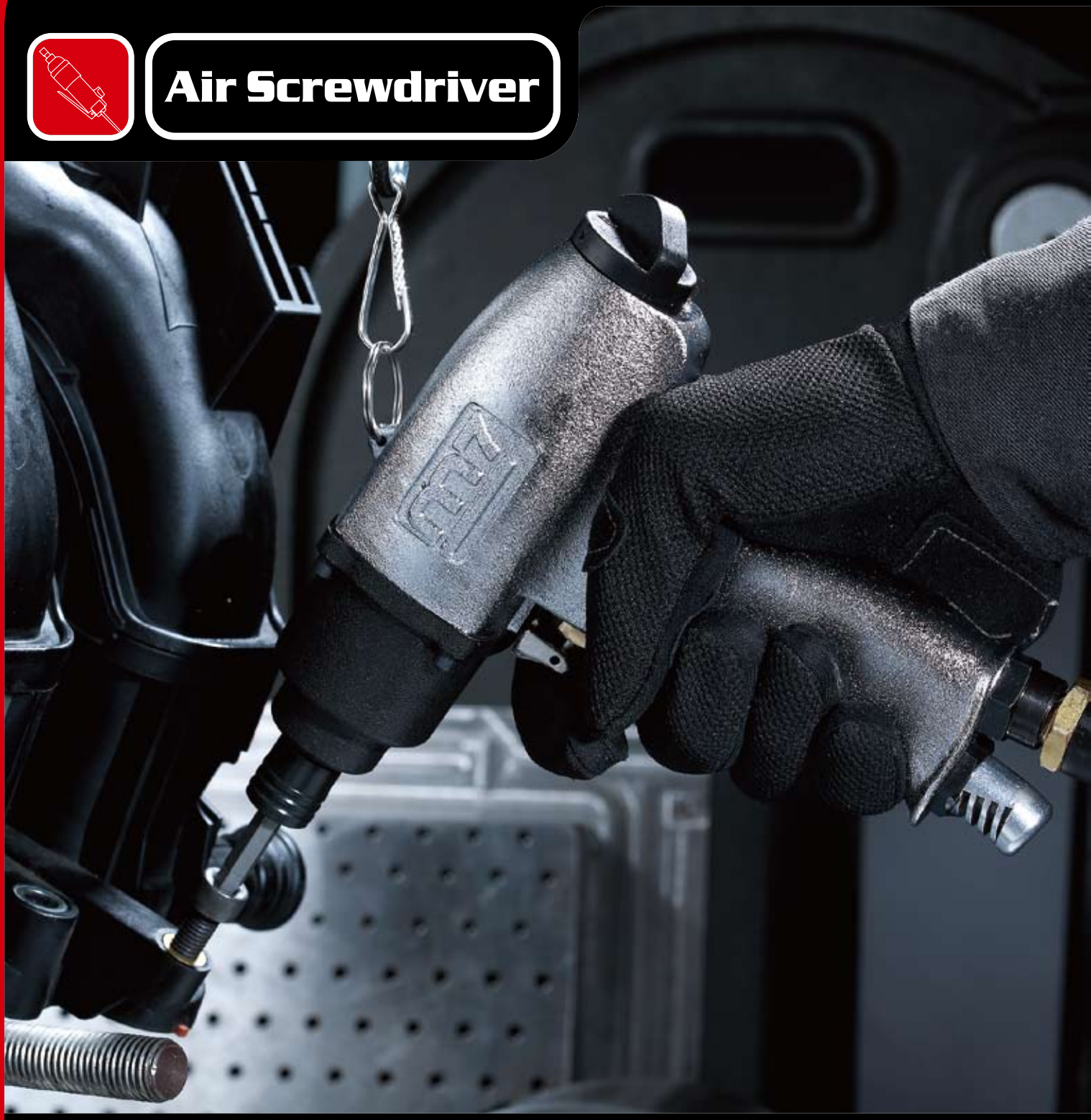
Air Inlet: 1/4"

+ Low malfunction rate, extremely long life span.
+ "Forward" and "Reverse" can be switched less than a second.
+ High drilling capacity well improves the efficiency.
+ Dual bearing design efficiently increases the life span and concentricity.
+ Equipped with top quality chuck, which is widely used on various machine tools.

10 pieces are packed in one carton

Illustrator / Item No.	Chuck size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	mm	R.P.M	CFM (L/min)	PSI (bar)	inch (mm)	LBS (Kg)	inch	dBA	m/s²
QE-532	10	2800	4.8(135)	90(6.3)	9-9/16"(243)	2.7(1.25)	3/8"	90.0	3.0
QE-533	10	2200	4.0(112)	90(6.3)	9-13/32"(189)	2.7(1.25)	3/8"	90.0	3.0
QE-542	13	1300	4.8(135)	90(6.3)	11-1/64"(280)	3.8(1.75)	3/8"	90.0	3.0
QE-543	13	1100	4.0(112)	90(6.3)	10-55/64"(276)	3.8(1.75)	3/8"	90.0	3.0

Air Screwdriver



RA-101 ★★

Air Screwdriver

Air Inlet: 1/4"

+ Screw capacity: M4
+ Equipped with Double Hammer impact mechanism.

20 pieces are packed in one carton

RA-102★★★

Air Screwdriver

Air Inlet: 1/4"

+ Screw capacity: M5
+ Equipped with Double Hammer impact mechanism.
+ High precision motor generates higher torque and improves efficiency.

20 pieces are packed in one carton

RA-105★★★★

Air Screwdriver

Air Inlet: 1/4"

+ Screw capacity: M6
+ Equipped with Double Hammer impact mechanism.
+ Easy & convenient forward / reverse switch.
+ High precision motor generates higher torque and improves efficiency.

20 pieces are packed in one carton

Illustrator / Item No.	Chuck Size (Hex)	Torque Range	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	FT-LB (Nm)	R.P.M	CFM (L/min)	PSI (bar)	inch (mm)	LBS(Kg)	inch	dBA	m/s²
RA-101	1/4"(6.35)	3.7-8.9(5-12)	9000	6.0(170)	90(6.3)	6-1/2"(166)	1.32(0.6)	3/8"	85.7	2.2
RA-102	1/4"(6.35)	3.7-10.3(5-14)	9000	6.0(170)	90(6.3)	6-3/4"(172)	1.54(0.7)	3/8"	86.7	3.7
RA-105	1/4"(6.35)	3.7-16.2(5-22)	8500	8.5(241)	90(6.3)	8-1/4"(208)	2.2(1.0)	3/8"	96.7	4.9

Air Screwdriver

RA-201 ★★★★

Air Screwdriver

Air Inlet: 1/4"

+ Screw capacity: M6
+ Equipped with Double Hammer impact mechanism.
+ Easy & convenient forward / reverse switch.
+ High precision motor generates higher torque and improves efficiency.

10 pieces are packed in one carton

RA-301 ★★★

Air Screwdriver Adjustable Clutch

Air Inlet: 1/4"

+ Screw capacity: M4
+ Safety push-to-start clutch.
+ Equipped with internal torque adjusting device.
+ Built-in quick release bit chuck.

10 pieces are packed in one carton

RA-302 ★★★

Air Screwdriver Adjustable Clutch

Air Inlet: 1/4"

+ Screw capacity: M6
+ Safety push-to-start clutch.
+ Equipped with internal torque adjusting device.
+ Built-in quick release bit chuck.

10 pieces are packed in one carton

Illustrator / Item No.	Chuck Size (Hex) inch(mm)	Torque Range FT-LB(Nm)	Free Speed R.P.M	Avg. Air Consumption CFM(L/min)	Air Pressure PSI(bar)	Overall Length inch(mm)	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
RA-201	1/4"(6.35)	3.7-18.5(5-25)	10000	9.0(255)	90(6.3)	7"(180)	2.65(1.2)	3/8"	93.0	5.3
RA-301	1/4"(6.35)	3.8-10(5-13.5)	1800	6.0(170)	90(6.3)	7-1/2"(190)	2.43(1.1)	3/8"	95.3	4.2
RA-302	1/4"(6.35)	3.8-12(5-16.3)	800	6.0(170)	90(6.3)	9"(226)	2.87(1.3)	3/8"	96.5	2.2

Shut-off-Screwdriver

NEW ITEM

Shut-off- Screwdriver ★★★★★

Air Inlet: 1/4"

+ Proved by the life-time tester, these items can be operated continuously up to 1.5 million times.
+ Industrial grade, excellent for long continous operation on various mass production lines.
+ Precise machined components, unique internal mechanism design.
+ Low noise and vibration rate, high adjustable accuracy up to + - 5%.
+ Pressing to start level, ergonomic design, compact volume, light weight, easy and comfortable to operate.

20 pieces are packed in one carton

RA-3011
RA-3017
RA-3023

RA-4008
RA-4015
RA-4021

RA-5005
RA-5008
RA-5017

Illustrator / Item No.	Chuck Size (Hex) inch(mm)	Torque Range IN-LB (Nm)	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length inch(mm)	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Powe) EN ISO 15744 dBA	Vibration level m/s²
RA-3011	1/4"(6.35)	9.7-18.5(1.1-2.1)	1100	7.0(198)	90(6.3)	7-3/8"(187)	0.94(0.42)	1/4"	70	2
RA-3017	1/4"(6.35)	6.2 - 13.2(0.7-1.5)	1700	7.0(198)	90(6.3)	7-3/8"(187)	0.94(0.42)	1/4"	70	2
RA-3023	1/4"(6.35)	3.5 - 8.8(0.4-1.0)	2300	7.0(198)	90(6.3)	7-3/8"(187)	0.94(0.42)	1/4"	70	2
RA-4008	1/4"(6.35)	14.1-35.4(1.6-4.0)	800	10.5(297)	90(6.3)	8-1/4"(209)	1.43(0.65)	1/4"	74	2.5
RA-4015	1/4"(6.35)	8.8 - 19.4(1.0-2.2)	1500	10.5(297)	90(6.3)	8-1/4"(209)	1.43(0.65)	1/4"	74	2.5
RA-4021	1/4"(6.35)	8.8 - 13.2(1.0-1.7)	2100	10.5(297)	90(6.3)	8-1/4"(209)	1.43(0.65)	1/4"	74	2.5
RA-5005	1/4"(6.35)	44.2-92.9(5.0-10.5)	480	17.5(495)	90(6.3)	9-1/2"(240)	2.2(1.0)	3/8"	75	10
RA-5008	1/4"(6.35)	26.5 - 48.6(3.0-5.5)	800	17.5(495)	90(6.3)	9-1/2"(240)	2.2(1.0)	3/8"	75	10
RA-5017	1/4"(6.35)	13.2-23.0(1.5-2.6)	1700	17.5(495)	90(6.3)	9-1/2"(240)	2.2(1.0)	3/8"	75	10

Air Hammer

Air Hammer

SC-211C / 221C★★★★

Air Hammer Round Shank / Air Hammer Hex Shank

Air Inlet: 1/4"

+ Alloyed steel cylinder & piston improves the lifetime.
+ Standard accessories:Whole set of SC-415,SC-425

★SC-4 chisel kit is provided along with the tool.

8 pieces are packed in one carton

SC-212C / 222C ★★★★

Air Hammer Round Shank / Air Hammer Hex Shank

Air Inlet: 1/4"

+ Same feature as SC-211 or SC-221, but equipped with longer cylinder.
+ Standard accessories:Whole set of SC-415,SC-425

★SC-4 chisel kit is provided along with the tool.

8 pieces are packed in one carton

SC-4 Chisel Set

+ Flat Chisel
+ Cutting Chisel
+ Tapered Punch
+ Ripping Chisel
+ Tail Pipe Cutter

SC-415 - Chisel Set / 175mmL / Round

SC-425 - Chisel Set / 175mmL / Hex

Illustrator / Item No.	Shank	Shank Opening inch(mm)	Blow Per Minute bpm	Avg. Air Consumption CFM(L/min)	Air Pressure PSI(bar)	Overall Length inch(mm)	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
SC-211C	●	0.401(10.2)	3200	4.0(113)	90(6.3)	6-7/8"(175)	3.74(1.7)	3/8"	98.0	12.3
SC-221C	⬢	0.393(10)	3200	4.0(113)	90(6.3)	6-7/8"(175)	3.74(1.7)	3/8"	98.0	12.3
SC-212C	●	0.401(10.2)	2200	4.0(113)	90(6.3)	8-7/8"(225)	4.40(2.0)	3/8"	94.7	13.2
SC-222C	⬢	0.393(10)	2200	4.0(113)	90(6.3)	8-7/8"(225)	4.40(2.0)	3/8"	94.7	13.2

SC-07C

Air Hammer-Set 7pcs

Air Inlet: 1/4"

+ 1pc- Air Hammer (Various Selections)
+ 5pcs-Chisel Kits
+ 1pc- Spring Retainer

5 pieces are packed in one carton

Item No.	Shank	Contents
SC-0517C	Round Shank	SC-211C (SC-415)
SC-0527C	Round Shank	SC-212C (SC-415)
SC-0617C	Hex Shank	SC-221C (SC-425)
SC-0627C	Hex Shank	SC-222C (SC-425)

SN-1268 / SN-1288

Needle Scaler

Air Inlet: 1/4"

+ Wide and complete air tool range
+ 1 piece more attached chisel allows wider usage.
+ The scaling rods,made of special spring steel, well improves the life span of itself.

SN-1268

SN-1288

6 pieces are packed in one carton / 10 pieces are packed in one carton

SC-2B

Quick Change Retainer

SC-2A

Retainer

Illustrator	Stroke Length	Blow Per Minute	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	mm	bpm	CFM (L/min)	PSI (bar)	inch	LBS	inch	dBA	m/s²
Item No.	—	bpm			L	lb/kg			
SN-1268	28	4600	15(424)	90(6.3)	18-1/8"	6.16	3/8"	91.0	13.7
SN-1288	32	5500	3(84.96)	90(6.3)	11-3/8"	2.86	3/8"	86.0	7.67

Air Hydraulic Riveter

RIVET	MATERIAL		RIVET DIAMETER(ØMM)
	RIVET	MANDREL	(2.5) 2.4 / (3.0) 3.2 / 4.0 / (5.0) 4.8 / 6.4 / 7.2 / 8.0
PA-111	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-201	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-201V	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-211	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-301	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-301V	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-301MV	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-321	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	
PA-202	aluminum	aluminum	
	aluminum	steel	
	steel	steel	
	stainless	steel	
	stainless	stainless	

Air Hydraulic Riveter

RIVET	MATERIAL RIVET	MATERIAL MANDREL	RIVET DIAMETER(ØMM) (2.5) 2.4	(3.0) 3.2	4.0	(5.0) 4.8	6.4	7.2	8.0
PA-312	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
	stainless	steel							
	stainless	stainless							
PA-401V	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
	stainless	steel							
	stainless	stainless							
PA-401MV	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
	stainless	steel							
	stainless	stainless							

NEW ITEM

PA-111 ★★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ The unique stroke reaches up to 26mm, which design allows working with 8.0mm iron-iron rivet.
+ 4.0, 4.8, 6.0, 6.4 and 8.0 mm rivet noses are included.

6 pieces are packed in one carton

Illustrator / Item No.	Traction Power	Stroke Length	Capacity	Air Pressure	Air Consumption	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	lb.-f (kg.-f)	mm	mm	PSI (bar)	L/cycle	LBS (Kg)	inch	dBA	m/s²
PA-111	4100(1860)	26	4.8-8.0	90(6.3)	2.88	6.6(3.0)	3/8"	82.0	0.8

PA-201 ★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Durable alloy steel chuck jaws are now equipped to improve performance and lifetime.
+ Mirror finished cylinder and piston brings less friction and allows the rivets to be released quickly.
+ Performs well in all operating directions or hard-to-reach area.
+ A powerful, durable, high-speed tool for assembly line and intensive use.
+ It is necessary to refer to the specification table of riveters prior to purchase.
+ Comes with 2.4, 3.2, 4.0, 4.8, 6.0, 6.4mm nosepieces.

6 pieces are packed in one carton

NEW ITEM

PA-201V ★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ Strengthened clamping jaws were made of high quality alloy steel, which well improved the lifetime.
+ 2.4, 3.2, 4.0, 4.8, 6.0 and 6.4 mm rivet noses are included.
+ The auto mandrel retracting design simultaneously improves the working efficiency and reduces the malfunction rate.

6 pieces are packed in one carton

NEW ITEM

PA-211 ★★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ Strengthened clamping jaws were made of high quality alloy steel, which well improved the lifetime.
+ The maximum working capacity of this riveter is high up to 6.4mm stainless steel rivet.
+ 2.4, 3.2, 4.0, 4.8, 6.0 and 6.4 mm rivet noses are included.

6 pieces are packed in one carton

Illustrator / Item No.	Traction Power	Stroke Length	Capacity	Air Pressure	Air Consumption	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	lb.-f (kg.-f)	mm	mm	PSI (bar)	L/cycle	LBS (Kg)	inch	dBA	m/s²
PA-201	3534(1603)	14	2.4-6.4	90(6.3)	2.32	3.9(1.8)	3/8"	79.7	0.5
PA-201V	3534(1603)	14	2.4-6.4	90(6.3)	2.32	3.93(1.785)	3/8"	79.7	0.5
PA-211	3748(1700)	18	2.4-6.4	90(6.3)	2.9	3.85(1.75)	3/8"	79.7	0.8

Air Hydraulic Riveter

NEW ITEM

PA-321 ★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ Strengthened clamping jaws were made of high quality alloy steel, which well improved the lifetime.
+ The unique stroke reaches up to 22mm, which design allows working with 4.8 mm stainless rivet possibly.
+ 2.4, 3.2, 4.0 and 4.8 mm rivet noses are included.

6 pieces are packed in one carton

PA-202/ 312 ★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Aluminum alloy forged plunger housing for greater strength and durability.
+ Adjustable rivet clamping is designed for obtaining the most effective stroke and riveting speed.
+ Durable alloy steel chuck jaws are equipped to improve performance and lifetime.
+ Universal air inlet efficiently prevents air hose winding around.
+ It is necessary to refer to the specification table of riveters prior to purchase.
+ Come with 3.2, 4.0, 4.8, 6.4mm nosepieces forPA-202.
+ Come with 2.4, 3.2, 4.0, 4.8mm nosepieces for PA-312.

6 pieces are packed in one carton

Illustrator / Item No.	Traction Power lb.-f (kg.-f)	Stroke Length mm	Capacity mm	Air Pressure PSI (bar)	Air Consumption L/cycle	Net Weight LBS (Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
PA-321	2612(1185)	22	2.4-4.8	90(6.3)	1.48	3.3(1.5)	3/8"	79.7	0.4
PA-202	2460(1200)	14	3.2-6.4	90(6.3)	1.8	4.2(1.91)	3/8"	79.7	0.3
PA-312	1983(900)	18	2.4-4.8	90(6.3)	1.8	3.83(1.74)	3/8"	75.3	0.4

PA-301 ★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Durable alloy steel chuck jaws are now equipped to improve performance and lifetime.
+ Quick release air valve allows cylinder to return quickly and protects the tool against overload.
+ Excellent for high-speed assembling requirements.
+ Comes with 2.4, 3.2, 4.0, 4.8mm nosepieces.
+ It is necessary to refer to the specification table of riveters prior to purchase.

10 pieces are packed in one carton

NEW ITEM

PA-301V ★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ Strengthened clamping jaws were made of high quality alloy steel, which well improved the lifetime.
+ 2.4, 3.2, 4.0 and 4.8 mm rivet noses are included.
+ The auto mandrel retracting design simultaneously improves the working efficiency and reduces the malfunction rate.

6 pieces are packed in one carton

NEW ITEM

PA-301MV ★★★★

Air Hydraulic Riveter

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ Strengthened clamping jaws were made of high quality alloy steel, which well improved the lifetime.
+ The auto mandrel retracting mechanism, hidden inside the housing, efficiently reduces the malfunction rate.
+ The ergonomic shape increases operation comfort.
+ 2.4, 3.2, 4.0 and 4.8 mm rivet noses are included.
+ The auto mandrel retracting design simultaneously improves the working efficiency and reduces the malfunction rate.

10 pieces are packed in one carton

Illustrator / Item No.	Traction Power lb.-f (kg.-f)	Stroke Length mm	Capacity mm	Air Pressure PSI (bar)	Air Consumption L/cycle	Net Weight LBS (Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
PA-301	2303(1045)	16	2.4-4.8	90(6.3)	1.48	3.3(1.5)	3/8"	79.7	0.3
PA-301V	2303(1045)	16	2.4-4.8	90(6.3)	1.48	3.3(1.5)	3/8"	79.7	0.3
PA-301MV	2303(1045)	16	2.4-4.8	90(6.3)	1.48	3.3(1.5)	3/8"	79.7	0.3

Air Hydraulic Riveter

NEW ITEM

PA-401V ★★★★

Air Hydraulic Riveter(Heavy Duty)

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ This riveter is especially designed to work with 4mm aluminum-iron rivet.
+ 2.4, 3.2, and 4.0 mm rivet noses are included.
+ The auto mandrel retracting design simultaneously improves the working efficiency and reduces the malfunction rate.

6 pieces are packed in one carton

NEW ITEM

PA-401MV ★★★★

Air Hydraulic Riveter(Heavy Duty)

Air Inlet: 1/4"

+ Superior durability, excellent for mass production line of all kinds.
+ The auto mandrel retracting mechanism, hidden inside the housing, efficiently reduces the malfunction rate.
+ This riveter is especially designed to work with 4.0mm aluminum-iron rivet.
+ The ergonomic shape increases operation comfort.
+ 2.4, 3.2 and 4.0 mm rivet noses are included.
+ The auto mandrel retracting design simultaneously improves the working efficiency and reduces the malfunction rate.

10 pieces are packed in one carton

Illustrator / Item No.	Traction Power lb.-f (kg.-f)	Stroke Length mm	Capacity mm	Air Pressure PSI (bar)	Air Consumption L/cycle	Net Weight LBS (Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
PA-401V	1532(695)	16	2.4-4.0	90(6.3)	0.67	2.57(1.25)	3/8"	79.7	0.3
PA-401MV	1532(695)	16	2.4-4.0	90(6.3)	0.67	2.57(1.25)	3/8"	79.7	0.3

NEW ITEM

PA-531 ★★★★★

Air Hydraulic Riveter(Heavy Duty)

Air Inlet: 1/4"

+ Super riveting force allows the lockbolt being riveted more firmly and accurately.
+ Only available to work with 3/16" lockbolt.
+ Suitable for wherever vibration proof is seriously considered such as soundproof wall engineering, ventilation window engineering for container, bridge construction engineering...etc.

6 pieces are packed in one carton

NEW ITEM

PA-541 ★★★★★

Air Hydraulic Riveter(Heavy Duty)

Air Inlet: 1/4"

+ Only available to work with 1/4" lockbolt.
+ Super riveting force allows the lockbolt being riveted more firmly and accurately.
+ Suitable for wherever vibration proof is seriously considered such as soundproof wall engineering, ventilation window engineering for container, bridge construction engineering...etc.

6 pieces are packed in one carton

NEW ITEM

PB-2402 ★★★★

Air Hydraulic Nut Setter(Heavy Duty)

Air Inlet: 1/4"

+ Low malfunction rate.
+ Easy to maintenance.
+ Superior durability, excellent for mass production line of all kinds.

6 pieces are packed in one carton

Illustrator / Item No.	Traction Power	Stroke Length	Capacity	Air Pressure	Air Consumption	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	lb.-f (kg.-f)	mm	mm	PSI (bar)	L/cycle	LBS (Kg)	inch	dBA	m/s²
	—	—	—			lb/kg			
PA-531	4100(1860)	23	3/16"	90(6.3)	2.88	6.6(3.0)	3/8"	82	0.8
PA-541	4100(1860)	23	1/4"	90(6.3)	2.88	6.6(3.0)	3/8"	82	0.8
PA-2402	3638(1650)	9	steel M4~M10 stainless M4~M8	90(6.3)	1.5	3.41(1.55)	3/8"	82	0.8

Air Grease Gun

SG-400
Air Grease Gun

+ Prolong the life time and improve the performance. of your tools.
+ Inhibit corrosion of parts during downtime.
+ Save your maintenance cost.

10 pieces are packed in one carton

SG-400C
Air Grease Gun

+ Prolong the life time and improve the performance. of your tools.
+ Inhibit corrosion of parts during downtime.
+ Save your maintenance cost.
+ Ergonomic handle made by composite material

10 pieces are packed in one carton

SG-401
Air Grease Gun/Continuous Type

+ Heavy duty cast aluminum body for maximum durability
+ Working pressure : 40-90 psi
+ Output volume : 288ml/min

10 pieces are packed in one carton

SG-101
Lubrication Kit

+ Prolong the life of your tools.
+ Improve the performance.
+ Inhibit corrosion of parts during downtime.
+ Save your maintenance cost.

50 pieces are packed in one carton

Illustrator / Item No.	Air Inlet	Working Pressure	Proof Pressure	Capacity	Air Hose	Net Weight	Sound Pressure (Power) EN ISO 15744	Vibration level
	inch	kgf/cm²	kgf/cm²	c.c.	inch	LBS(Kg)	dBA	m/s²
	—			—		lb/kg		
SG-400	1/4"	2.8-8.4	10.5	400	3/8"	3.2(1.46)	80.2	0.7
SG-400C	1/4"	2.8-8.4	10.5	400	3/8"	2.2(1.0)	81.4	0.6
SG-401	1/4"	2.8-8.4	10.5	400	3/8"	3.52(1.6)	74.0	2.0

Auto Repair Tool

Illustrator / Item No.	Oscillation	Avg. Air Consumption	Overall Length	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	per min	CFM (L/min)	inch(mm)	LBS(bar)	inch	dBA	m/s²
QK-111	20000	6.0(170)	7-5/64" (180)	2.43(1.1)	10	75	3.9

QK-111 ★★★★

Air Windshield Remover

Air Inlet: 1/4"

+ The rear exhaust and extended muffler tube reduce the noise and air pollution efficiently.
+ Lower vibration minimizes the user's fatigue and enables longer operating.
+ Lower wear rate of the components prolong the durability of the tool.
+ Blade can be mounted in 12 different ways according to user's convenience.

15 pieces are packed in one carton

NEW ITEM

SK-1010

Air Caulking Gun

+ Outstanding surface treatment.
+ Ergonomic design for comfortable operation.

10 pieces are packed in one carton

QB-802 ★★★★

Air surface-cleaning tool

+ Patented removing wheel brings larger wear-off volume.
+ More durable, easy to operate, no heating up during operation.
+ Can be used to remove rust, oxides, decals, stickers, vinyl, trim lines…without damaging the paint surface.

10 pieces are packed in one carton

Illustrator / Item No.	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length inch (mm)	Net Weight LBS (bar)	Air Hose inch (mm)
SK-1010	4.0 (113)	50~70(3.4~4.8)	12"(305)	2.42(1.1)	3/8"(10)

Illustrator / Item No.	Free Speed R P M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length inch (mm)	Motor HP	Net Weight LBS (Kg)	Air Hose inch	Sound Pressure (Power) EN ISO 15744 dBA	Vibration level m/s²
QB-802	3600	10.6(300)	90(6.3)	7-7/8"(200)	0.7	2.6(1.2)	3/8"	86	0.3

Air Blow Gun

JC-304
Air Blow Gun
Air Inlet: 1/4"

+ Steel nozzle provides long life on the tool.
+ Used for cleaning.
+ Special Hi-tech material provide durable, quiet and comfortable operation preventing user fatigue.

60 pieces are packed in one carton

JC-310
Air Blow Gun
Air Inlet: 1/4"

+ Same feature as JC-304, with10" extended nozzle.

50 pieces are packed in one carton

JC-313
Air Blow Gun
Air Inlet: 1/4"

+ Same feature as JC-304, with 13" extended nozzle.

50 pieces are packed in one carton

JC-320
Air Blow Gun
Air Inlet: 1/4"

+ Same feature as JC-304, with 20" extended nozzle.

50 pieces are packed in one carton

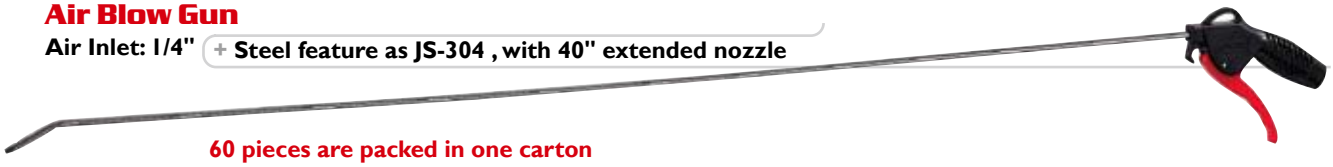
Illustrator / Item No.	Nozzle Length (inch)	Working Pressure (PSI(bar))	Max Pressure (PSI(bar))	Avg. Air Consumption 1/4" hose (CFM (L/min))	Avg. Air Consumption 3/8" hose (CFM (L/min))	Air Pressure (PSI(bar))	Net Weight (LBS(Kg))	Air Hose (inch)	Sound Pressure (Power) EN ISO 15744 (dBA)
JC-304	4"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	90(6.3)	0.15(0.07)	3/8"	90.0
JC-310	10"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	90(6.3)	0.22(0.10)	3/8"	90.0
JC-313	13"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	90(6.3)	0.24(0.11)	3/8"	90.0
JC-320	20"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	90(6.3)	0.31(0.14)	3/8"	90.0

JC-340

Air Blow Gun

Air Inlet: 1/4"

+ Steel feature as JS-304 , with 40" extended nozzle



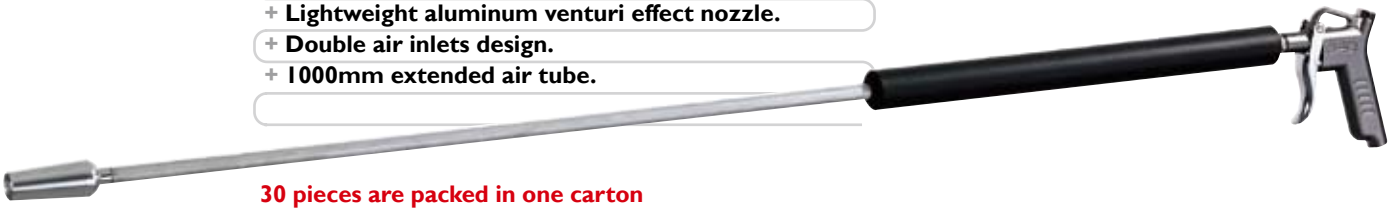
60 pieces are packed in one carton

JC-440

Air Blow Gun

Air Inlet: 1/4"

+ Triple air volume output.
+ Lightweight aluminum venturi effect nozzle.
+ Double air inlets design.
+ 1000mm extended air tube.



30 pieces are packed in one carton

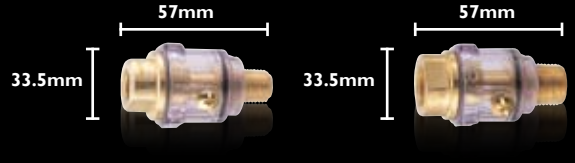
Illustrator / Item No.	Nozzle Length	Working Pressure	Max Pressure	Avg. Air Consumption	Avg. Air Consumption	Air Pressure	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744
	inch	PSI(bar)	PSI(bar)	CFM (L/min)	CFM (L/min)	PSI(bar)	LBS (Kg)	inch	dBA
	—	Working	MAX	1/4" hose	3/8" hose		lb/kg		
JC-340	40"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	90(6.3)	0.50(0.23)	3/8"	90.0
JC-440	40"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	90(6.3)	0.92(0.42)	3/8"	90.0

Filter, Regulator, Lubricator

Sw-12 - 1/4" / Sw-13 - 3/8"

Mini Lubricator

+ Install in the air hose to provide automatic lubrication.
+ 8c.c. Lubricating oil capacity.



SV-2230 / SV-2330

Filter-Regulator-Lubricator

+ Removes all dirt particles larger than five microns.
+ 50c.c. Lubricating oil bowl capacity.
+ Can be filled under pressure.

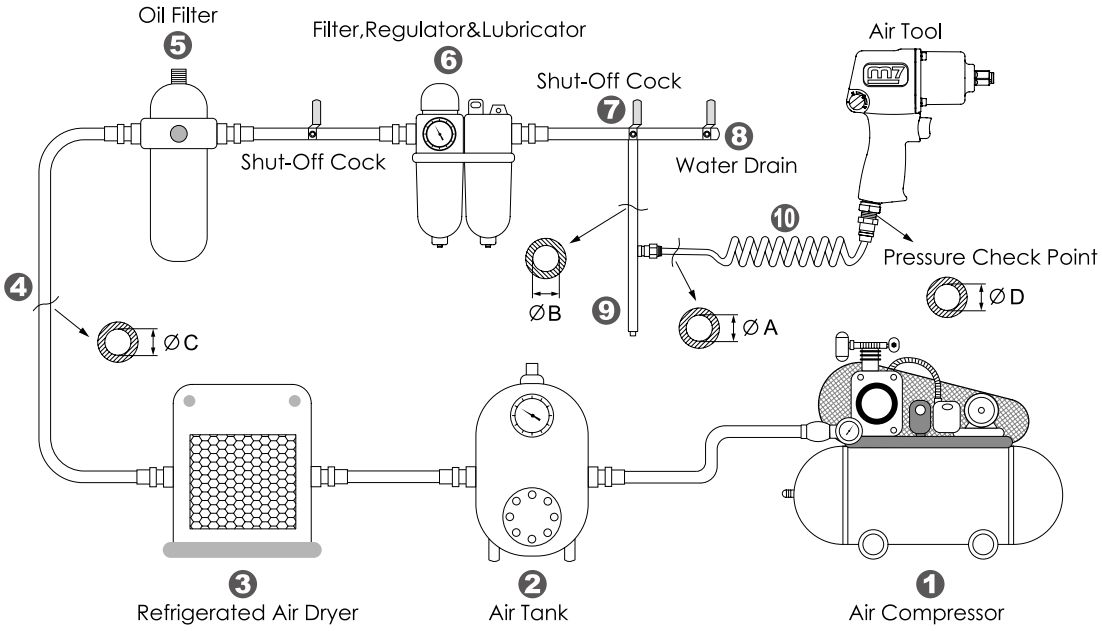
20 pieces are packed in one carton

SV-2431

Filter-Regulator-Lubricator

+ Removes all dirt particles larger than five microns.
+ 50c.c. Lubricating oil bowl capacity.
+ Can be filled under pressure.

20 pieces are packed in one carton



Illustrator / Item No.	Air in/ outlet	Working Pressure	Proof Pressure	Regulation Pressure Range	Working Temperature	Min.Flow for Oil Drip	Weight
	inch	*kgf/cm² (Mpa)*	*kgf/cm² (Mpa)*	*kgf/cm² (Mpa)*	*°C*	*L/min*	*LBS(kg)*
	—	—	—	—	—	—	—
SV-2230	1/4"	0-9.9(0-0.99)	15(1.5)	0.5-8.5(0.05-0.85)	5~60°	50	1.59(0.70)
SV-2330	3/8"	0-9.9(0-0.99)	15(1.5)	0.5-8.5(0.05-0.85)	5~60°	60	1.59(0.70)
SV-2431	1/2"	0-15 (0-1.5)	20(2.0)	1.0-15(0.1-1.5)	-5~60°	80	3.3(1.50)

Air Hose Reel

NEW ITEM

SA-215 / 315

Air-Hose Reel

+ Mounting bracket can be mounted on the wall or ceiling.
+ 24 braids covered PU tube brings the anti-explosion capability up to 350 psi.
+ Auto retractable hose is replaceable and convenient to be stored.
+ The durable rewinding spring results in smooth operation.

2 pieces are packed in one carton

NOTE:

1. Type A:Multi-Copular allows Nitto Asia style plug.
2. Type B:Multi-Copular all in one, allows for Milton/ Tru-Flate/ Aro and Orion series European style plug.
3. Type C:Multi-Copular allows U.S.A style plug.
4. Type D:Multi-Copular allows France style plug.

Illustrator / Item No.	Hose Inside Diameter mm	Hose outside Diameter mm	Hose Length M	Working Pressure bar	Break Pressure kg/cm²	Male PT Fitting inch	Female PT Fitting inch	Weight kg
SA-215	8.0	12.0	15	7	20	1/4"	—	5.3
SA-315	10.0	15.0	15	7	20	3/8"	—	8

SD-23

Polyurethane Recoil Air-Hose

+ Returns automatically to the original position and keeps it out of operator's way during operation.
+ Spring guards protects both ends of the hose. Both ends have male 360° swivel fittings.
+ Temperature resistance from -20° C ~ +70° C.

Illustrator / Item No.	Hose Inside Diameter mm	Hose outside Diameter mm	Hose Length M	Working Pressure bar	Break Pressure bar	Male PT Fitting inch
SD-23110	8.0	12.0	10	7	20	1/4"
SD-23115	8.0	12.0	15	7	20	1/4"
SD-23210	5.0	8.0	10	7	20	1/4"
SD-23215	5.0	8.0	15	7	20	1/4"
SD-23315	10	15	15	7	20	3/8"
SD-24415	13	18	15	7	20	1/2"

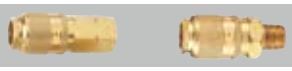
SY-M SY-F

Air Adaptor/Quick Couplings

Air Adaptor

Item No.	Thread Type	Thread Size	Type	Picture
SY-211M SY-211F	Male Female	1/4" PT	Europe	
SY-221M SY-321M	Male	1/4" PT 3/8" PT	Japan	
SY-221F SY-321F	Female	1/4" PT 3/8" PT		
SY-231M SY-231F	Male Female	1/4" NPT	U.S.A	

Air Coupler

Item No.	Thread Type	Thread Size	Type	Picture
SY-210M SY-210F	Male Female	1/4" PT	Europe	
SY-220M SY-320M	Male	1/4" PT 3/8" PT	Japan	
SY-220F SY-320F	Female	1/4" PT 3/8" PT		
SY-230M SY-230F	Male Female	1/4" NPT	U.S.A	

MA-4030

Deep Impact Socket Set 3 PCS 1/2" DR.

- Contents : 17mm, 19mm, 21mm
- By identifying the different color coated, the operator can easily pick up the size needed.
- With the external sheath, the working odject can be well protected from being rubbed, scratched,impacted…etc.
- With the 85mm extra long socket, to loosen or tighten bolt or nut in deeper hole become easier and convenient.

24 pieces are packed in one carton

New

NEW PRODUCTS

NC-3410

3/8" Drive Air Impact Wrench Rocking Dog Type

Air Inlet: 1/4"

- + 8 positive power settings.
- + Easy manoeuvring with 360° air inlet swivel.

20 pieces are packed in one carton

Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
inch	inch (mm)	FT-LB(Nm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
3/8"	3/8"(10)	5-50(7-68)	75(102)	10000	2.5(71)	90 (6.3)	6-1/4" (159)	1.75(0.8)	3/8"	92.1	3.6

NC-8216

1" Drive Air Impact Wrench Twin Hammer Type

Air Inlet: 1/2"

- + Twin Hammer Type and a hitting structure with long life cycle.
- + Weight: 8.01KG (Light weight type)

1 pieces are packed in one carton

Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
inch	inch (mm)	FT-LB(Nm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
1"	1-7/16"(36)	200-1600(271-2170)	1800(2441)	5000	9.0(254)	90 (6.3)	19-3/16" (487)	18.48(8.4)	1/2"	102	9.3

NC-4610N

1/2" Drive Air Impact Wrench Jumbo Hammer Type

Air Inlet: 1/4"

- + Stubby impact sockets, 6 points:5pcs 13, 17,19, 22, 24, mm
- + 1/4" plug:1pc
- + Equipped with Jumbo Hammer Impact mechanism.
- + As long as 115.5mm only, which is the shortest model among all 1/2" impact wrenches available in the market.

10 pieces are packed in one carton

Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
inch	inch (mm)	FT-LB(Nm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
1/2"	5/8"(16)	200-350(271-475)	450(610)	9000	4.4(124)	90 (6.3)	4-9/16" (115.5)	3.52(1.6)	3/8"	93.0	2.8

SH-1001 / SH-1002

Air Tool Holder

- + Made up of powerful magnet, allows to load up to 12 & 13 kgs.
- + The gap design on the central ring helps not to decrease the life span of the trgger spring of the impact wrench.

10 pieces are packed in one carton

	Maximum Load	Overall Length
	LB(Kg)	Inch(mm)
SH-1001	26.4(12.0)	16"(400)
SH-1002	28.6(13.0)	20"(500)

New NEW PRODUCTS

QB-54

Air Random Orbital Sander / Central-Vacuum

Air Inlet: 1/4"

+ Cover with Roter inside makes a longer cycle life.
+ The rubber palm grip allows users to operate with one hand easily.

10 pieces are packed in one carton

	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QB-54502	5"(127)	10000	3.0(85)	90(6.3)	7-3/4"(197)	0.24	1.65(0.75)	3/8"	81.6	7.1
QB-54602	6"(152)	10000	3.0(85)	90(6.3)	8-1/4"(210)	0.24	1.70(0.78)	3/8"	81.6	7.1

QB-55

Air Random Orbital Sander / Non-Vacuum

Air Inlet: 1/4"

+ Cover with Roter inside makes a longer cycle life.
+ The rubber palm grip allows users to operate with one hand easily.

10 pieces are packed in one carton

	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QB-55502	5"(127)	10000	3.0(85)	90(6.3)	6-5/32"(157)	0.24	1.43(0.65)	3/8"	81.6	7.1
QB-55602	6"(152)	10000	3.0(85)	90(6.3)	6-11/16"(170)	0.24	1.50(0.68)	3/8"	81.6	7.1

QB-56

Air Random Orbital Sander / Self-Generated Vacuum

Air Inlet: 1/4"

+ Cover with Roter inside makes a longer cycle life.
+ The rubber palm grip allows users to operate with one hand easily.

10 pieces are packed in one carton

	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QB-56502	5"(127)	10000	3.0(85)	90(6.3)	7-3/4"(197)	0.24	1.65(0.75)	3/8"	81.6	7.1
QB-56602	6"(152)	10000	3.0(85)	90(6.3)	8-1/4"(210)	0.24	1.70(0.78)	3/8"	81.6	7.1

QP-113

Air Pistol Sander

Air Inlet: 1/4"

+ Ergonomic cushion-grip handle.
+ Good in low noise than traditional one (74db)
+ Speed can be adjusted.
+ 360° air inlet swivel to prevent the trachea curling.
+ Lightweight, compact, portable.
+ Strictly under your control.

10 pieces are packed in one carton

	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI (bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QP-113	3"(76)	15000	3.5(99)	90(6.3)	5"(125)	0.40	1.58(0.72)	3/8"	74.0	0.3

QP-123

Air Pistol Polisher

Air Inlet: 1/4"

+ Ergonomic cushion-grip handle.
+ Good in low noise than traditional one (74db)
+ Speed can be adjusted.
+ Lightweight, compact, portable.

10 pieces are packed in one carton

	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Powe) EN ISO 15744	Vibration level
	inch(mm)	R.P.M	CFM(L/min)	PSI (bar)	inch(mm)	HP	LBS(Kg)	inch	dBA	m/s²
QP-123	3"(76)	2100	3.5(99)	90(6.3)	5-5/16"(135)	0.40	1.69(0.77)	3/8"	74.0	0.21

QB-144/145

Air Angle Grinder / Roll Type Throttle

Air Inlet: 1/4"

+ Front exhaust.
+ Powerful 0.78 hp motor provides plenty of power for rust and material removal.
+ Unique motor controller (Governor) virtually eliminates over speed.

10 pieces are packed in one carton

	Pad Dia	Spindle Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	inch(mm)		R.P.M	CFM (L/min)	PSI (bar)	inch(mm)	HP	LBS(kg)	inch	dBA	m/s²
QB-144	4"(100)	M10xP1.5	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0(1.81)	3/8"	87.8	1.2
QB-145	5"(125)	M14xP2.0	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0(1.81)	3/8"	87.8	1.2

QB-154/155

Air Angle Grinder / Lever Type Throttle

Air Inlet: 1/4"

+ Same features as QB-144/ QB-145, but with safety throttle lever.

10 pieces are packed in one carton

	Pad Dia	Spindle Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	inch(mm)		R.P.M	CFM (L/min)	PSI (bar)	inch(mm)	HP	LBS(kg)	inch	dBA	m/s²
QB-154	4"(100)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.78	3.8(1.73)	3/8"	87.8	1.2
QB-155	5"(125)	5/8"-11	11000	6.0(170)	90(6.3)	9"(230)	0.78	3.8(1.73)	3/8"	87.8	1.2

New NEW PRODUCTS

QB-164/165

Air Angle Grinder / Roll Type Throttle

Air Inlet: 1/4"

+ Front exhaust.
+ Powerful 0.78 hp motor provides plenty of power for rust and material removal.
+ Unique motor controller (Governor) virtually eliminates over speed.

10 pieces are packed in one carton

	Pad Dia	Spindle Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	inch(mm)		R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	HP	LBS(kg)	inch	dBA	m/s²
QB-164	4"(100)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(230)	0.78	4.0(1.81)	3/8"	87.8	1.2
QB-165	5"(125)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(230)	0.78	4.0(1.81)	3/8"	87.8	1.2

QB-177

Air Angle Grinder / Lever Type Throttle

Air Inlet: 3/8"

+ Special treatment for the body makes it become high strength and be not easy to break apart.
+ Exhaust direction is adjustable.
+ Overrunning governor and security trigger are equipped.

6 pieces are packed in one carton

	Pad Dia	Spindle Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	inch(mm)		R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	HP	LBS(kg)	inch	dBA	m/s²
QB-177	7"(178)	5/8"-11	7600	6.0(170)	90(6.3)	11-13/16"(170)	1.0	7.26(3.3)	3/8"	92.0	2.7

QB-179

Air Vertical Grinder / Lever Type Throttle

Air Inlet: 1/2"

+ Special treatment for the body makes it become high strength and be not easy to break apart.
+ Powerful motor design.
+ Overrunning governor is equipped to prevent from the risk of speedy rotation.

2 pieces are packed in one carton

	Pad Dia	Spindle Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
	inch(mm)		R.P.M	CFM(L/min)	PSI(bar)	inch(mm)	HP	LBS(kg)	inch	dBA	m/s²
QB-179	9"(230)	5/8"-11	6000	7.0(198)	90(6.3)	11"(279)	3.8	13.2(6.0)	3/4"	86.0	2.1

SN-1032

Air Flux Chipper

Air Inlet: 1/4"

+Quic shift chuck can easily replace the chisel .

10 pieces are packed in one carton

	Shank	Shank Opening	Blow Per Minute	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
		inch(mm)	bpm	CFM (L/min)	PSI (bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
SN-1032		13	4000	4.23(120)	90(6.3)	11-1/2"(290)	2.92(1.33)	3/8"	91	14.5

SR-1101

Air Brush

Air Inlet: 1/4"

+The delicate design of the sprinkle nozzle allows it spray paint accurately on object.

+The adjustable cup holder makes it user-friendly.

10 pieces are packed in one carton

	Nozzle Bore	Color Cup Capacity	Spray Control
	mm	c.c	
SR-1101	0.2	7.0	by Needle Adjustor

SP-101/102/103 /104 /105/111/112/113

Spring Balancer

Air Inlet: 1/4"

+Cost-efficient,practical and compact.It uses rotary adjusting cover for easier tension adjustment without burden.

+The housing is made of rustproof iron shell.The steel wires and nylon ropes are available for option. Further ,a ball-shape damper also can stop tool at a fixed height in its recover stroke.

10 pieces are packed in one carton

	Capacity	Travel	Rope	Rope Dia	Weight
	Kg	m		mm	Kg
SP-101	0.3~0.8	1.6	Cable	2.5	0.49
SP-102	0.6~1.5	1.6	Cable	2.5	0.52
SP-103	1.0~2.0	1.6	Cable	2.5	0.53
SP-104	1.5~3.0	1.5	Cable	3.2	0.76

	Capacity	Travel	Rope	Rope Dia	Weight
	Kg	m		mm	Kg
SP-105	3.0~5.0	1.5	Cable	3.2	0.81
SP-111	0.3~0.8	1.6	Nylon	2.5	0.49
SP-112	0.6~1.5	1.6	Nylon	2.5	0.52
SP-113	1.0~2.0	1.6	Nylon	2.5	0.53

SP-212/213

Spring Balancer

Air Inlet: 1/4"

+Wider load range and designed in aesthetic configuration .It uses rotary adjusting cover for easier tension adjustment without burden.

+The housing is made of rustproof fogged chrome-iron, and nylon rope is used. Further ,a ball-shape damper also can stop tool at a fixed height its recover stroke.

10 pieces are packed in one carton

	Capacity	Travel	Rope	Rope Dia	Weight
	Kg	m		mm	Kg
SP-212	0.3~1.2	1.6	Nylon	4.0	0.57
SP-213	0.8~2.0	1.6	Nylon	4.0	0.57

New NEW PRODUCTS

JC-504 / 510
Air Blow Gun

Air Inlet: 1/4"

+ The look conforms to ergonomics.
+ The special material made handle makes user feels comfortable.

60 pieces are packed in one carton

JC-507
Air Blow Gun

Air Inlet: 1/4"

+ The look conforms to ergonomics.
+ The special material made handle makes user feels comfortable.
+ The sprinkle nozzle is 360°revolvable and lengthened or shortened.

60 pieces are packed in one carton

	Nozzle Length	Working Pressure	Max Pressure	Avg. Air Consumption	Air Pressure	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744
	inch	PSI(bar)	PSI(bar)	CFM (L/min)	PSI(bar)	LBS(Kg)	inch	dBA
JC-504	4"	90-120(6.2-8.5)	220(15.1)	4.70(132)	90(6.3)	0.35(0.16)	3/8"	80.0
JC-507	6-1/2" ~ 12"	90-120(6.2-8.5)	220(10.6)	5.10(144)	90(6.3)	0.48(0.22)	3/8"	75.0
JC-510	10"	90-120(6.2-8.5)	220(10.6)	5.10(144)	90(6.3)	0.42(0.19)	3/8"	80.0

SB-201
Digital Tyre Inflator

Air Inlet: 1/4"

+ Accuracy ± 3%

10 pieces are packed in one carton

	Max Pressure	Air Consumption at 100 PSI	Air Inlet	Air Pressure	Net Weight	Air Hose	Nozzle
	PSI(bar)	CFM	Inch	PSI	LB(Kg)	Inch	
SB-201	160(11.0)	1.41	1/4"	90	0.70(0.32)	3/8"	Tyre valve clip

QD-291N
Air Saw Set

Air Inlet: 1/4"

+ 1pc Air saw tool
+ 1pc 5 Pieces file set
+ 1pcs 1/4" 360° plug
+ 2pcs Allen Key:4mm,3mm
+ 1pcs mini oiler 1/4"
+ 6pc 24T Saw Blade
+ 6pc 32T Saw Blade

10 pieces are packed in one carton

	Stroke Length	Collet Size	Strokes Per min	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure (Power) 44 EN ISO 157	level
	mm	mm	spm	CFM (L/min)	PSI(bar)	inch(mm)	LBS(Kg)	inch	dBA	m/s²
QD-291	10	5	9000	4.0 (113)	90(6.3)	9-3/4"(250)	1.32(0.6)	3/8"	80.0	2.4

NC-0410(set)

1/2" Drive Air Impact Wrench 10pcs

Air Inlet: 1/4"

- + 1pc - Air Impact Wrench :
- + 5pc - Impact sockets, 6 points, standard length : 11, 13, 17, 19, 21 mm
- + 1pc - Extension bar 5" :
- + 1pc - Mini Oiler 1/4" female x 1/4" male :
- + 1pc - 1/4" plug :
- + 1pc - Oil box

4 pieces are packed in one carton

Item No.	Air Impact Wrench	Item No.	Air Impact Wrench
NC-0410M0	NC-4212	NC-0410M2	NC-4217
NC-0410M1	NC-4215	NC-0410M3	NC-4258

QA-0115(Set) / QA- 0615(Set)

Heavy Duty Air Die Grinder-Set 15pcs

Air Inlet: 1/4"

- + 1pc Air Die Grinder
- + 1pc Collet (3 mm or 1/8")
- + 2pcs Spanner Wrench
- + 5pcs Grinder Stone (3 mm or 1/8")
- + 5pcs Shank Stone (6 mm or 1/4")
- + 1pc Plug (adapter)

10 pieces are packed in one carton

	Collet Size A mm	Collet Size B inch	Free Speed R.P.M	Avg. Air Consumption CFM(L/min)	Air Pressure PSI(bar)	Overall Length inch(mm)	Motor HP	Net Weight LBS(Kg)	Air Hose inch	Sound Pressure (Powe.) EN ISO 15744 dBA	Vibration level m/s²
QA-111	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	6"(155)	0.3	0.84(0.38)	3/8"	81.5	1.8
QA-211	6 & 3	1/4" & 1/8"	20000	10.0(283)	90(6.3)	7-1/2"(155)	0.9	1.43(0.65)	3/8"	75.7	0.8
QA-611	6 & 3	1/4" & 1/8"	19000	10.0(283)	90(6.3)	6"-1/8"(160)	0.3	1.12(0.51)	3/8"	74.4	1.7

SQ-0217(Set)

Air Powered Brake Caliper Wind Back Tool-Set 17pcs

Air Inlet: 1/4"

- + This air powered brake caliper wind back tool uses air to launch instead of the original manual fashion.
- + It is available to operate left and / or right hand helix bolt.
- + Repairing time can be greatly reduced.
- + It is suitable to all kinds of cars.

10 pieces are packed in one carton

	Air Pressure PSI(bar)	Net Weight LBS(Kg)
SQ-0217	90(6.3)	3.3(1.5)

Impact Socket

1/2" MA411M
Impact Standard Socket

+ 1. 1/2" drive standard length
+ 2. 6 points
+ 3. Metric size

Item No.	Size		BOX/CTN
	mm	g	
MA411M08	8	67	10 / 200
MA411M09	9	67	10 / 200
MA411M10	10	70	10 / 200
MA411M11	11	71	10 / 200
MA411M12	12	72	10 / 200

Item No.	Size		BOX/CTN
	mm	g	
MA411M13	13	72	10 / 200
MA411M14	14	77	10 / 200
MA411M15	15	112	10 / 160
MA411M16	16	112	10 / 160
MA411M17	17	115	10 / 160
MA411M19	19	120	10 / 160
MA411M21	21	125	6 / 120
MA411M22	22	143	6 / 120
MA411M24	24	152	6 / 120
MA411M27	27	176	6 / 120

1/2" MA431M

Impact Standard Socket

+ 1. 1/2" drive Deep version
+ 2. 6 points
+ 3. Metric size

Item No.	Size		BOX/CTN
	mm	g	
MA431M13	13	163	6 / 120
MA431M17	17	248	6 / 96
MA431M19	19	244	6 / 96
MA431M21	21	237	6 / 96
MA431M22	22	292	5 / 60

Item No.	Size		BOX/CTN
	mm	g	
MA431M24	24	304	5 / 60
MA431M27	27	351	5 / 60

Impact Socket

MA42006M
1/2" Air Stubby impact Socket SET

Item No.	Size	Length		LONG
	inch	mm	g	
MA42006M	1/2"	13	54	28
	1/2"	17	70	28
	1/2"	19	80	28
	1/2"	21	90	28
	1/2"	22	100	28
	1/2"	24	110	28

3/4" MA611M
Standard Impact Socket

+ 3/4" drive standard length
+ 6 points
+ Metric size

Item No.	Size		BOX/CTN
	mm	g	
MA611M17	17	316	6 / 48
MA611M19	19	329	6 / 48
MA611M21	21	341	6 / 48
MA611M22	22	346	6 / 48
MA611M24	24	352	6 / 48
MA611M26	26	358	6 / 48
MA611M27	27	380	6 / 48

Item No.	Size		BOX/CTN
MA611M29	29	404	6 / 48
MA611M30	30	412	6 / 48
MA611M32	32	460	6 / 36
MA611M35	35	497	6 / 36
MA611M36	36	519	6 / 36
MA611M38	38	540	2 / 24
MA611M55	55	1160	1 / 20

1" MA811M
Standard Impact Socket

+ 1" drive standard length
+ 6 points
+ Metric size

Item No.	Size		BOX/CTN
	mm	g	
MA811M27	27	538	1 / 24
MA811M30	30	592	1 / 24
MA811M32	32	679	1 / 24
MA811M33	33	700	1 / 24
MA811M36	36	729	1 / 24

3/8" MB371S
3/8" Drive Bit Holder

Item No.	Total Leught	Length		BOX/CTN
	inch	mm	g	
MB371S08	1/4"	40	44	10 / 106

1/2" MB471

1/2" Drive Bit Holder

Item No.	Size	⚖	BOX/CTN
	inch	g	
MB471S08	1/4"	69	12 / 216
MB471S10	5/16"	70	12 / 216

1/2" ME421

1/2" Drive Extension Bar

Item No.	Total Leught	⚖	BOX/CTN
	inch (mm)	g	
ME421-05	5" (125)	295	2/ 40

1/2" ME4711

1/2" Drive Universal Joint

Item No.	Total Leught	⚖	BOX/CTN
	inch (mm)	g	
ME4711	2-1/2" (65)	167	5/ 60

3/4" ME621

3/4" Drive Extension Bar

Item No.	Total Leught	⚖	BOX/CTN
	inch (mm)	g	
ME621-07	7" (175)	867	2/20

3/4" ME6711

3/4" Drive Universal Joint

Item No.	Total Leught	⚖	BOX/CTN
	inch (mm)	g	
ME6711	4-1/2" (116)	742	2/20

3/4" ME68

3/4" Drive Adapter

Item No.	Spec	⚖	BOX/CTN
	inch (mm)	g	
ME684	3/4" F x 1/2" M	313	6/48

3/4" ME016/ME916

3/4" Drive Locking Ring/3/4" Drive Locking Pin

Item No.	Desp.	Ø	d/ℓ	Applied to socket sizes
	mm	mm		
ME01637	Ring	5.5	37	MA611M (17~46 mm)
ME91635	Pin	4.0	35	
ME01644	Ring	5.5	44	MA611M (48~60 mm)
ME91645	Pin	4.0	45	

After Market Support

Packaging

All M7 Products Come in Eye-Catching Color Packages

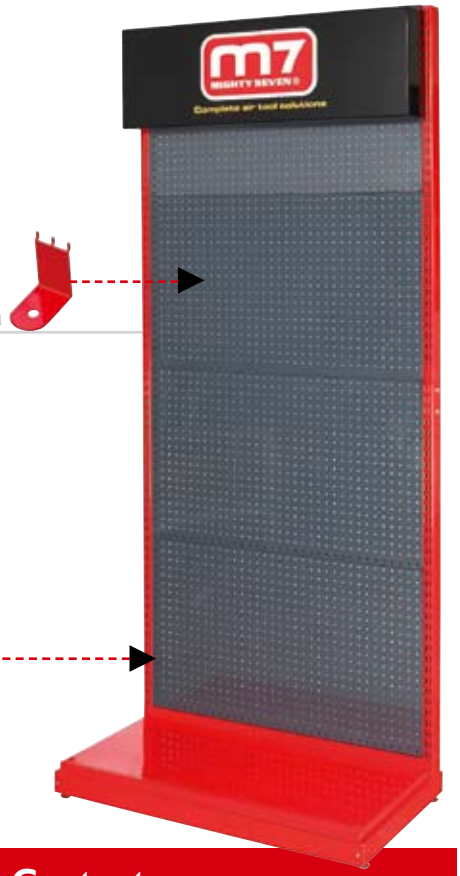
AD-307

Wall Type Display Stand

+ Powder coating
+ Attachment

1pc	Brand Plate
2pcs	Angled Steel Frame
2pcs	Shelf
1pc	Bottom Shelf
4pcs	Steel Plate With Hole

Item No.	Overall Size(mm) Width X Depth X Height
AD-307	900 x 500 x 2230



AD-351
Optional Item

AD-361
Optional Item

AD-35

Complete set of Tool Base

Item No.	Adaptor Type	Contents		
AD-3501	Europe	SY-211M	AD-3521	AD-351
AD-3502	Japan	SY-221M	AD-3522	AD-351
AD-3503	U.S.A.	SY-231M	AD-3523	AD-351

AD-306

Table Type Display Stand

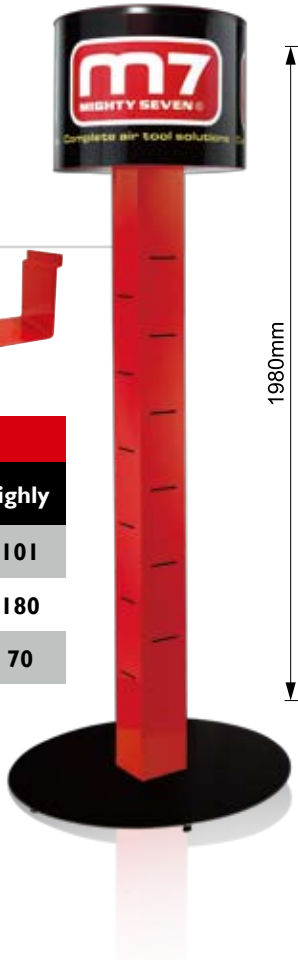
- 1 pc Transparent DM shelf
- 2 pcs support frame
- 1 pc Bottom shelf
- 3 set (AD-3521/3522/3523)

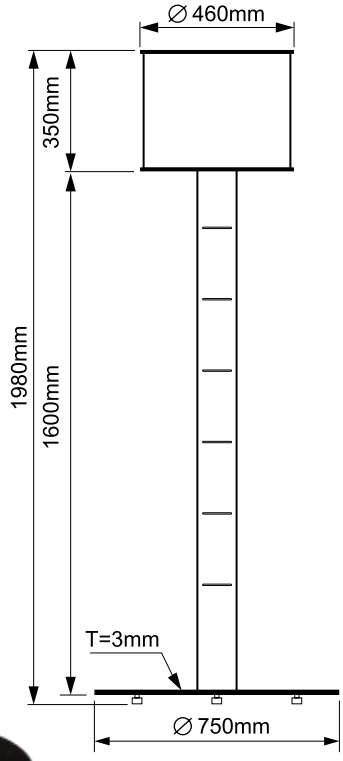
AD-308

Tower Type Display Stand

- 1pc Lamp case Baner
- 2pcs Round Plate (Round)
- 1pc Support Rod (inside the Lamp Case)
- 2pcs Pillar
- 1pc Bottom Plate

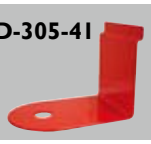
AD-305-41
Optional Item





Contains	Package				
	net weight	gross weight	length	width	highly
Lamp Case Set	4.35	5.35	530	510	101
Display Pillar	8	9	930	330	180
Display Stand Bottom Plate	10.45	11.45	810	820	70

AD-36

Item No.	Adaptor Type	Contain		
AD-3601	Europe	SY-211M	AD-3521	AD-305-41
AD-3602	Japan	SY-221M	AD-3522	AD-305-41
AD-3603	U.S.A.	SY-231M	AD-3523	AD-305-41 

Retailer Promotion

ZC-201
T-shirt

+ Size **S / M / L / XL**

ZB-302
Pen

ZC-202
Cap

+ Color : black

After Market Repair Kits

M7 provides specialized repairing tools for your after market need

User's Manual of Air Impact Wrench

Working environment:

1.Using these tools in any potentially explosive environment is strictly prohibited.

2.It is always recommended that these types of tools must be operated when standing on a solid or firm location.

3.Always use these tools in a well ventilated area.

4.Slipping, stumbling and falling are the major causes of potential serious injury, therefore, a clean and clutter free surface in the working area before operating the tools is strongly recommended.

Air supply and connection requirements:

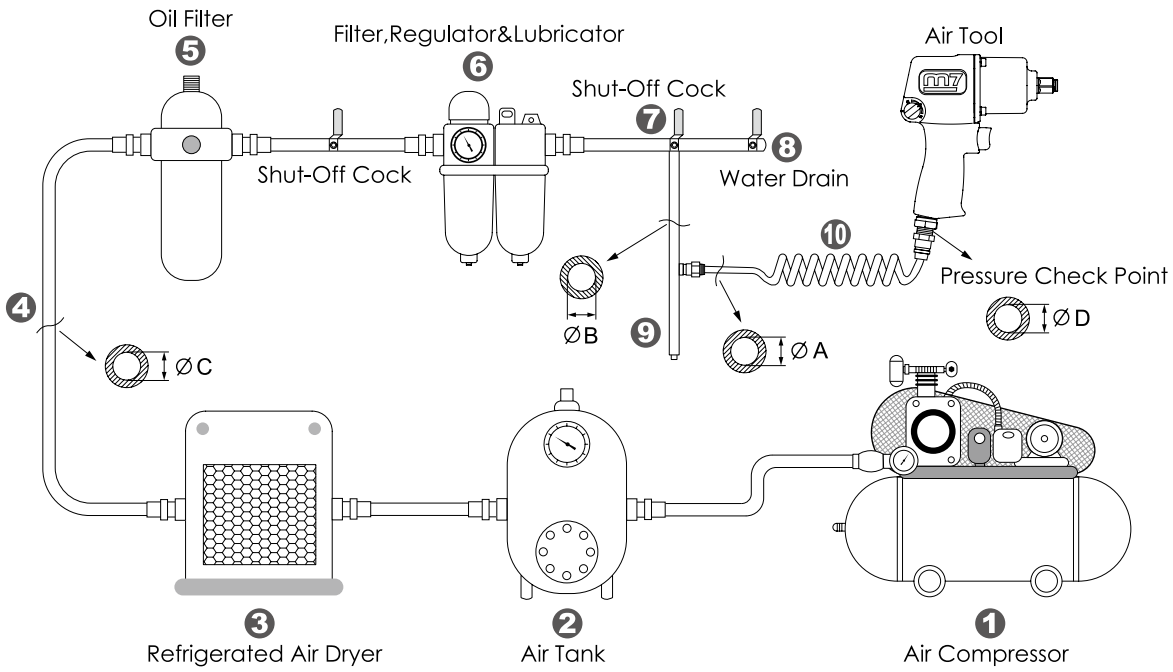
1.The maximum recommended air pressure during operation must not exceed 90 psi (6.3bar). Higher air pressure may create unsafe operating conditions for the tool and the user.

2.The compressed air should be cooled and have a water filter installed at the outlet end of the compressor. Even with a water filter installed, some water may still condense in the piping or hose and will enter the tool mechanism causing premature damage to the tool. Therefore, it is recommended to install an air filter-lubricator device somewhere between the tool and the compressor.

3.Always use an air compressor of the proper capacity to operate each tool.

4.Clean the hose with a blast of compressed air before connecting the hose to the air tool. This will prevent both moisture and dust inside the hose from entering the tool and causing possible rust or malfunction.

Ideal system connection:



★The diameter ΦA required for the inlet pipe ⑩ is recommended on the specification table.

★The diameter ΦB required for the branch pipe (from ⑦ to ⑨) should be 2 times as large as ΦA. ΦB = 2 x ΦA

★The diameter ΦC required for the primary air supply (from ① to ⑧) should be 3 times as large as ΦA. ΦC = 3 x ΦA

★The length for the inlet pipe ⑩ should be less than 15 feet (4.5m).

Trouble Shooting

Impact Wrench

Problem (phenomenon)	Possible Cause	Recommended solution
1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed, 2. Tool will not run.	1. The rotor blades may be damaged, 2. The screws may be loose. 3. The reverse button (knob) may be out off position. 4. Some component(s) in motor housing or hammer housing may be worn off.	1. Check and replace new ones, if necessary. 2. Tighten all loose screws. 3. Adjust the button. 4. Check and replace them, if necessary.
1. Air leaks from hammer housing or rear cover.	1. The screws may be loose. 2. The gasket seal may be broken.	1. Tighten all loose screws. 2. Replace it.

Note: The consumable parts are the rotor blades, anvil and hammer.

Ratchet Wrench

Problem (phenomenon)	Possible Cause	Recommended solution
1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed, 2. Tool will not run.	1. The rotor blades may be damaged, 2. The screws may be loose. 3. The reverse button (knob) may be out off position. 4. Some component(s) in motor housing or hammer housing may be worn off.	1. Check and replace new ones, if necessary. 2. Tighten all loose screws. 3. Adjust the button. 4. Check and replace them, if necessary.

Note: The consumable parts are the rotor blades, gears and ratchet anvil.

Die Grinder

Problem (phenomenon)	Possible Cause	Recommended solution
1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam. 2. Trigger may be damaged!	1. Clean to remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Push trigger and run for several seconds to get rid of the dust. 5. Inspect the trigger, correct or replace the related component when necessary.
1. Severe torque loss, but will still run at full free speed, 2. Tool will not run.	1. The rotor blades may be damaged, 2. The screws may be loose. 3. The Air Regulator may not be in correct position. 4. The Collet Nut may be loose.	1. Check and replace with new ones, if necessary. 2. Tighten all loose screws. 3. Check and correct. 4. Check and tighten.

Note: The consumable parts are the rotor blades, bearings and collet.

Problem (phenomenon)	Possible Cause	Recommended solution
Air Cutting Off Tool 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam. 2. Trigger may be damaged!	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Push trigger and run for several seconds to get rid of the dust. 5. Inspect the trigger, correct or replace the related component when necessary.
1. Severe torque loss, but will still run at full free speed, 2. Tool will not run.	1. The rotor blades may be damaged, 2. The screws may be loose. 3. The Air Regulator may not be in correct position.	1. Check and replace with new ones, if necessary. 2. Tighten all loose screws. 3. Check and correct.
Air angle Grinder 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam. 2. Trigger may be damaged!	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Push trigger and run for several seconds to get rid of the dust. 5. Inspect the trigger, correct or replace the related component when necessary.
1. Severe torque loss, but will still run at full free speed. 2. Tool will not run.	1. The rotor blades may be damaged, 2. The screws may be loose. 3. The bevel gears may not have enough grease. 4. The bevel gears may be worn off.	1. Check and replace new ones, if necessary. 2. Tighten all loose screws. 3. Apply some multiple-purpose grease. 4. Replace them.
Belt Sander 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed. 2. Tool will not run.	1. The rotor blades may be damaged. 2. The screws may be loose. 3. The belt may not be seated correctly. 4. The bearings may be damaged.	1. Check and replace with new ones, if necessary. 2. Tighten all loose screws. 3. Adjust it. 4. Replace them.
Air Sander 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed. 2. Tool will not run.	1. The rotor blades may be damaged, 2. The pad may not be correct. 3. The screws may be loose.	1. Check and replace with new ones, if necessary. 2. Check and replace with the correct one. 3. Tighten all loose screws.
Air Shear 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed, 2. Tool will not run.	1. The rotor blades may be damaged, 2. The cutting blades may not be sharp enough. 3. The cutting blades may not be in the correct position. 4. The lock screws for cutting blades may be loose.	1. Check and replace with new ones, if necessary. 2. Check and replace with new ones, if necessary. 3. Check and adjust them. 4. Check and tighten.

Note: The consumable parts are the rotor blades and bearings.

Problem (phenomenon)	Possible Cause	Recommended solution
Air Saw 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam. 2. Trigger may be damaged!	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed. 2. Tool will not run.	1. The rotor blades may be damaged.	1. Check and replace with new ones, if necessary.
1. Severe decrease in reciprocating speed.	1. The drive motor may be dirty.	1. Cleaning required.
Air Drill 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed. 2. Tool will not run.	1. The rotor blades may be damaged, 2. The keyless chuck may be damaged.	1. Check both possibilities and replace with new ones, if necessary.
Air Screwdriver 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed, 2. Tool will not run.	1. The rotor blades may be damaged, 2. The screws may be loose. 3. The Reverse Knob may be damaged or not in the right position. 4. The impact mechanism may be damaged.	1. Check both possibilities and replace with new ones, if necessary. 2. Tighten all the loose screws. 3. Check and adjust, or replace with a new one if necessary. 4. Check and replace with a new set, if necessary.
Note: The consumable parts are the rotor blades and bearings.		
Air Hammer 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. The tool doesn't work	1. The piston may be jammed or damaged. 2. The size of chisel may not be correct.	1. Check and replace the related component when necessary. 2. Check and replace with the correct one.
Note: The consumable parts are the throttle valve and piston.		
Hydraulic Riveter 1. The tool runs automatically or tool will not shut off. 2. Power decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. The tool doesn't work	1. The size of rivet may not be suitable. 2. The size of rivet nose may not be correct.	1. Check and use the correct ones. 2. Check and replace with the correct one!
Note: The consumable parts are the rivet nose, jaw housing, front housing and spring.		

Note:
For more details about the above recommended solutions, please refer to the use'r Manual attached along with each product.